-105-

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS

1ST JULY TO 31ST DECEMBER, 1899.

DAILY WEATHER REPORT.

July to December 1899.

E. Weller & Grahams Ltd Litho London

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 1st August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall
		in. Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.80	50	W	2	b	29.72	+ .13	55	49	+ 7	W	2	bc	*	b	*	61	46	—
	Hernösand	29.96	59	SW	4	o	29.91	— .07	63	57	+ 7	W	2	o	*	o	*	64	48	—
	Stockholm	30.17	66	W	2	o	30.06	— .03	67	59	+ 8	W	4	b	*	o	*	72	55	—
	Wisby	30.26	60	WSW	4	b	30.16	+ .09	62	58	+ 1	W	4	b	*	b	*	66	52	—
	Karlstad	30.16	68	SW	4	c	30.12	— .04	67	57	+ 7	W	4	b	*	c	*	*	*	—
	Bodö	29.75	49	E	2	c	29.77	— .13	52	48	+ 2	ESE	4	o	1	c	*	54	45	—
	Christiansund ...	30.04	58	W	8	r	29.91	— .18	58	56	+ 2	W	7	r	5	r	*	59	55	0.32
	Skudesnaes ...	? 30.40	58	2	0	o	? 30.31	— .03	57	56	0	SSE	4	c	2	o	*	59	52	*
	Færder (X'iania Fjord)	30.28	68	SW	3	o	30.20	— .01	68	61	+ 5	SW	4	o	2	o	*	68	63	—
	The Scaw (Skagen)	30.28	62	W	9	bc	30.25	+ .02	65	60	+ 2	NW	3	b	0	bc	*	73	57	—
	Fanö	30.43	59	NW	3	b	30.40	+ .09	62	59	+ 2	NW	4	bc	*	b	*	66	57	—
BRITISH ISLANDS	Sumburgh Head ...	30.28	60	W	4	o	30.06	— .20	58	55	+ 1	WSW	7	c	6	c, o	*	61	52	—
	Stornoway	30.30	60	SW	4	c	30.19	— .17	62	60	0	WSW	5	o	5	c	10.6	71	55	—
	Wick	30.32	66	SW	3	bc	30.19	— .19	68	62	+ 4	W	2	bc	1	bc	*	82	58	—
	Nairn	30.33	76	W	1	b	30.22	— .18	70	64	+ 5	W	3	b	2	b	*	78	59	—
	Aberdeen	30.36	65	S	2	bc	30.24	— .19	72	65	+ 7	WSW	2	bw	1	bc	12.4	73	53	—
	Leith	30.38	72	2	0	b	30.31	— .10	73	66	+ 5	WSW	1	b	*	b	*	77	57	—
	Shields	30.40	70	SW	1	cm	30.36	— .06	65	61	+ 4	WSW	3	b	2	c, cm	*	75	56	—
	Spurn Head ...	30.46	64	SSE	4	bc	30.42	— .05	67	62	+ 3	SSW	2	b	3	bc	*	67	58	—
	Loughborough ...	30.43	83	ESE	2	b	30.44	— .04	69	63	+ 11	2	0	bw	*	b, bc, b	*	85	53	—
	Malin Head ...	30.40	65	E	1	bc	30.33	— .09	66	64	+ 8	SW	2	b	1	f, bc	*	67	58	—
	Belmullet	30.43	69	W	1	b	30.37	— .06	62	61	— 2	WSW	2	o	*	b	*	73	55	—
	Donaghadee ...	30.44	59	SSE	3	c	30.38	— .07	61	60	+ 5	SE	3	b	3	f, c	*	64	52	—
	Liverpool (Bidston)	30.44	61	WNW	1	o	30.39	— .06	69	64	+ 8	2	o	b	1	o, f	*	73	57	—
	Holyhead	30.44	59	NNW	1	f	30.39	— .05	67	64	+ 9	E	1	b	0	f	*	67	55	—
	Parsonstown ...	30.39	80	SE	1	c	30.40	— .05	68	63	+ 9	SW	1	b	*	c	11.5	80	56	—
	Valencia	30.41	69	WSW	1	b	30.36	— .06	69	64	+ 2	E	1	bm	2	b	14.8	78	53	—
	Roche's Point ...	30.43	63	SE	2	f	30.39	— .04	62	60	— 5	NW	1	b	1	f	*	68	55	—
	Pembroke (St. Ann's Hd.)	30.41	73	NE	2	b	30.39	— .01	66	64	0	ESE	3	bm	2	b	14.2	74	60	—
	Scilly	30.39	68	E	3	b	30.33	— .01	65	60	— 4	E	4	c	1	b	14.0	72	63	—
	Jersey (St. Aubin's) ...	30.37	75	NE	3	b	30.34	+ .02	68	65	+ 3	ENE	3	bm	3	bm	*	77	63	—
	Portland Bill ...	30.42	65	ESE	2	b	30.39	— .02	65	63	0	E	3	b	3	b	*	69	57	—
	Dungeness	30.42	64	ENE	4	b	30.41	— .01	67	65	— 1	ENE	3	bc	2	b	*	70	61	—
	London (Brixton) ...	30.44	72	E	2	b	30.46	.00	64	61	+ 1	E	2	b	*	bc, bm, m	10.4	79	57	—
	Oxford	30.45	70	E	2	b	30.43	— .03	64	61	— 5	2	0	b	*	b	*	80	54	—
	Yarmouth	30.48	67	ENE	2	b	30.45	— .01	65	63	+ 1	SSE	2	b	2	b	*	68	56	—
GERMANY.	Cuxhaven	30.41	61	NW	3	o	30.41	+ .07	59	58	— 2	NW	1	bc	*	o	*	64	59	—
	Berlin	30.33	67	NW	1	b	30.39	+ .15	59	57	— 1	WNW	2	o	*	b	*	73	55	—
	Wiesbaden	*	*	*	*	*	30.41	+ .05	67	62	+ 2	NE	1	o	*	*	*	77	55	—
	Munich	30.41	65	2	0	b	30.42	+ .02	60	58	— 2	NE	4	b	*	b	*	73	54	—
FRANCE & NETHERLANDS.	The Helder ...	30.50	64	N	1	b	30.45	+ .02	62	60	— 3	N	1	o	0	b	*	70	51	—
	Brussels	*	*	*	*	*	30.45	+ .02	56	56	— 4	NNE	1	f	*	b	*	73	55	—
	C. Gris Nez ...	30.41	65	E	4	b	30.41	+ .02	62	59	— 2	E	1	b	1	b	*	70	57	—
	Paris	30.35	79	NE	3	b	30.36	+ .01	62	58	— 3	NE	2	b	*	b	*	83	57	—
	Brest	30.29	77	NE	2	b	30.26	?	65	63	+ 4	ENE	2	b	1	b	*	70	61	—
	Lorient	30.28	80	NNE	1	bc	30.26	— .02	68	64	+ 4	E	3	bc	3	bc	*	91	63	—
	Rochefort	30.17	81	NE	3	b	30.18	— .02	70	64	0	ENE	4	b	*	b	*	97	68	—
	Belfort	30.25	73	NE	2	b	30.30	+ .04	61	58	— 4	E	6	m	*	b	*	77	54	—
	Lyons	30.22	80	N	1	b	30.25	.00	67	62	0	NE	1	b	*	b, 2	*	84	62	—
	Nice	30.16	78	SE	2	bc	30.21	+ .17	74	66	+ 1	E	2	c	0	bc		86	70	—
	Perpignan	30.17	87	E	1	b	30.21	+ .04	73	70	+ 1	W	2	b	*	b		86	64	—
	Biarritz	30.12	77	W	2	b	30.11	— .03	75	66	+ 1	2	0	b	1	b		91	68	—
SPAIN & PORTUGAL	Corunna																			
	Lisbon														*					
	Azores (P. Delgada)	30.28	70	NNE	1	c	30.28	+ .07	71	67	+ 1	NNE	3	bc	2	c		71	64	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in* [illegible]

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College,* [illegible]

Bright Sunshine yesterday Southport 7.1 *hrs.*

WEATHER CHARTS

FOR Tuesday, 1st August, 1899.

BAROMETER, WIND AND SEA.

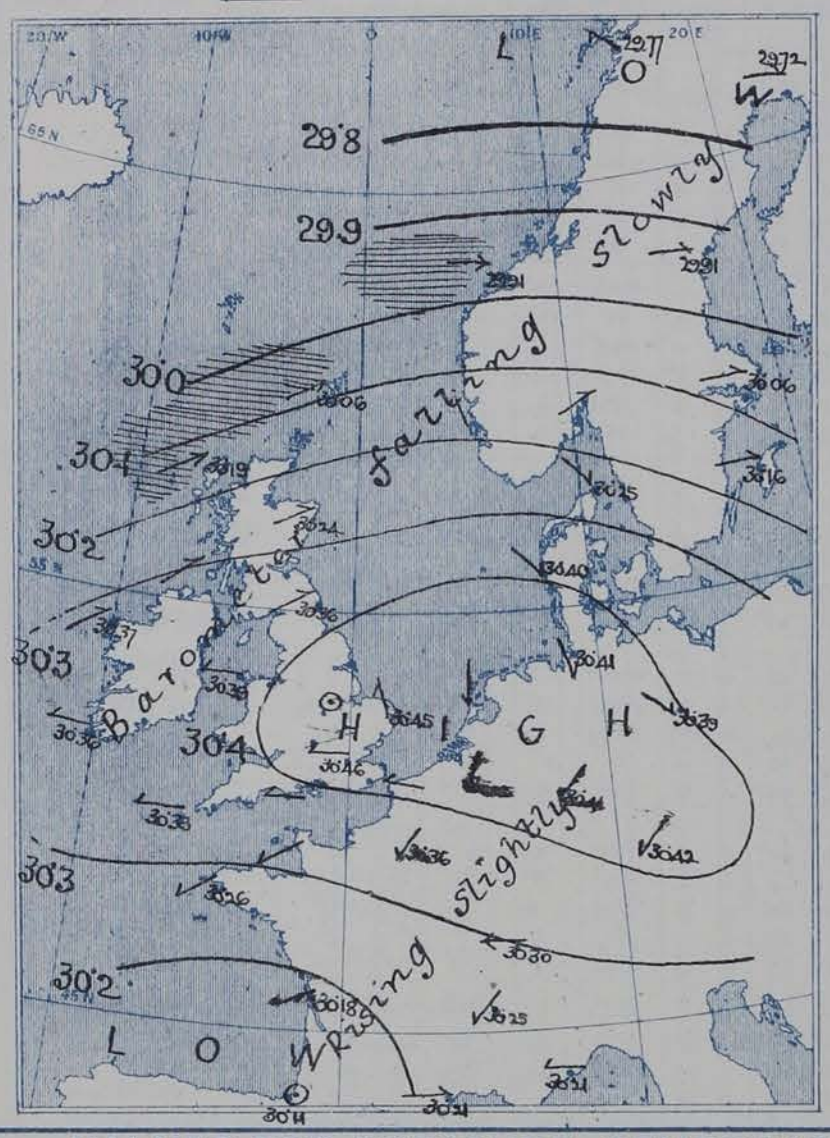
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ *Force 5 to 7* ⟶ } Calm ⊙

Force 8 to 10 ⟶ *Force 1 to 4* ⟶

SEA.—Rough ▒ *High* ▓

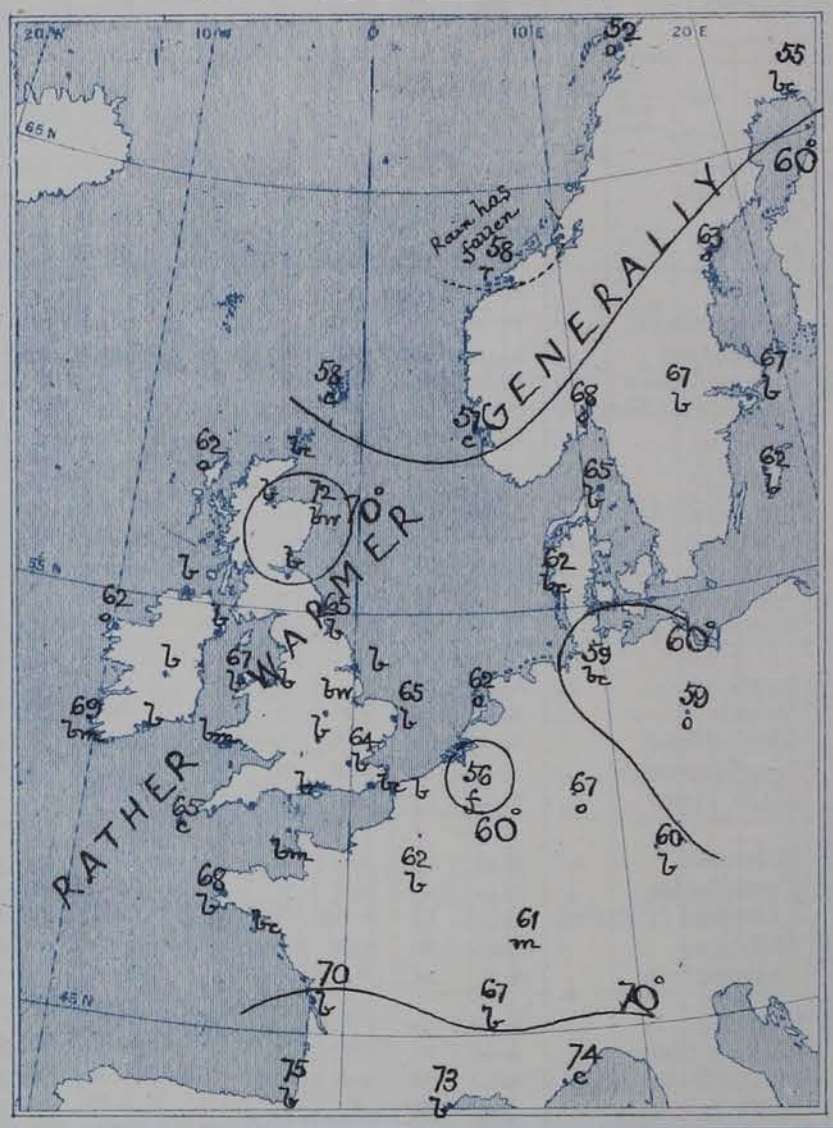


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29·923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and more to 30.3 ins. in an elongated anticyclone covering Germany, Holland and the E. and N. of France, England and Ireland.
Lowest (1) 29.8 ins. and less over Lapland; (2) below 30.2 ins. in the SW. of France.
Gradients slight except over Scandinavia.
Distribution anticyclonic at the S.ern and E.rn stations. Barometer falling over our Islands and Norway (most at the Norwegian and Scotch stations) rising in France and Germany.

TEMPERATURE

Highest 75° to 70° in the S and SW. of France, 73° to 68° in Scotland, 69° at Loughborough, 68° at Parsonstown, 67° at Karlstad and Stockholm.
Lowest 58° at Christiansund, 57° at Skudenaes, 55° at Haparanda, 52° at Bodö.
The maxima recorded yesterday were as high as 80° at Wick and Oxford, 85° at Loughborough, 80° at Parsonstown, 79° in London, 83° at Paris, 97° at Rochefort, 86° at Nice.

WIND

(1) SW.ly and W.ly at all the northern stations – moderate in Scotland, strong in Norway.
(2) E.ly to NE.ly at our southern stations and over France, and of moderate strength.

WEATHER

Dull and somewhat rainy in the extreme N, very fine generally elsewhere, but slightly hazy or foggy in places.
About 0.3 in. of rain has fallen at Christiansund, none elsewhere.
Bright sunshine recorded yesterday amounted to 14 hrs. or more at many of our southwestern and southern stations.

SEA

Rough in the far N., slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A gradual encroachment of the SW.ly and W.ly wind over our W.rn and NW.rn districts is probable, with rain in places. Fine hot weather is probable in the E. and SE.

FORECASTS

For the 24 hours ending at NOON on 2ND AUGUST 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW.ly and W.ly winds, fresh to strong; rain at times.
1 SCOTLAND EAST 2 ENGLAND N.E.	SW.ly and W.ly breezes; fair as a whole.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	S.ly and E.ly breezes, light; fine, very warm.
6 SCOTLAND WEST 7 ENGLAND N.W.	SW.ly winds, moderate; perhaps some rain.
8 ENGLAND S.W.	E.ly winds, light; fine, warm.
9 IRELAND NORTH	Same as No. 0.
10 IRELAND SOUTH	SE.ly and S.ly breezes, light; fine.
WARNINGS	None issued.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·39	59	57	W	4	o	2
Sumburgh Head	30·30	58	56	W	4	c	4
Stornoway... ...	30·35	71	69	WSW	4	c	4
Aberdeen	30·41	68	62	SSE	2	bc	1
Shields	30·42	71	64	SSE	2	c	2
Ardrossan ...							
Malin Head ...	30·40	65	64	E	1	f	1
Belmullet	30·43	73	68	SW	2	b	*
Holyhead	30·45	62	61	N	1	f	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·41	70	66	WSW	2	b	3
Scilly	30·38	70	67	E	3	b	0
Jersey	30·40	73	68	NE	4	b	3
Portland Bill ...	30·44	68	64	SE	3	b	3
Dungeness ...	30·43	68	66	ENE	4	b	3
North Foreland							
London (Westminster)	30·45	73	65	ESE	3	b	*
Yarmouth ...	30·48	68	62	ENE	2	b	2
Rochefort ...	30·18	95	77	ENE	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine and bright over our Islands generally and France; foggy in the N. of Ireland, hazy in many parts of England during the early hours. Dull over Norway and many parts of central Europe; rainy at Haparanda. Rain at Christiansund later, very fine over the British Isles and France.

Temperature in morning – highest 83° at Patras, 80° at Athens and at Barcelona; above 70° over the Mediterranean generally and in Switzerland; above 60° over E^rn and central Europe and France, with several parts of our Islands and the S of Scandinavia. Lowest 48° at Haparanda, 56° to 57° in the W of Norway and the Shetlands. Rising later to 71° at Stornoway, 80° at Wick, Parsontown and Oxford, 85° at Loughborough; to 83° at Paris, 86° at Nice, and 97° at Rochefort.

Wind (1) SW^ly to W^ly in the Shetlands and Norway, NW^ly to N^ly (a gale), over Sweden and the Baltic; (2) E^ly to NE^ly, moderate, over the south of our Islands and in France; nearly calm over Ireland and the north of England. The SW^ly and W^ly wind in the north spreading a little later; no change elsewhere.

Barometer (1) 30.4 ins. and more to 30.3 ins. all over our Islands, the Netherlands and the N. and E. of France and W. and S Germany. Lowest (1) 29.6 ins. and less over the E. of Lapland; and below 30.1 ins. over the SW. of Sweden and over Asia Minor. Falling a little at our NW^rn stations later, rising in the N. of Norway; little change elsewhere.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday 2nd August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda	29.52	59	S	2	c	29.27	−.45	54	54	− 1	NW	4	r	*	c	*	59	46	0.20
	Hernösand	29.72	60	SW	2	o	29.58	−.33	64	53	+ 1	WNW	6	bc	*	o	*	66	54	0.08
	Stockholm	29.90	69	WSW	4	b	29.76	−.30	69	60	+ 2	W	6	b	*	b	*	77	57	—
	Wisby	30.02	67	WNW	6	b	29.91	−.25	63	60	+ 1	WSW	6	b	*	b	*	73	54	—
	Karlstad	29.95	66	SW	2	b	29.84	−.28	69	60	+ 2	W	6	b	*	b	*	*	*	—
	Bodö	29.54	49	SW	8	r	29.52	−.25	48	45	− 4	WNW	6	bc	4	r	*	54	46	1.30
	Christiansund ...	29.94	57	W	9	r	30.00	+.09	52	48	− 6	WNW	6	o	5	r	*	?59	50	0.20
	Skudesnaes ...	30.06	59	W	2	r	30.08	−.23	58	54	+ 1	NW	4	c	1	c,r	*	63	55	*
	Færder (X'iania Fjord)	29.99	66	SW	6	m	29.91	−.29	67	61	− 1	WSW	6	b	3	m	*	68	64	—
	The Scaw (Skagen)	30.09	62	W	5	f	30.04	−.21	64	60	− 1	WNW	6	m	2	f	*	68	59	—
	Fanö	30.28	62	WSW	4	b	30.20	−.20	61	61	− 1	WSW	4	b	*	b	*	70	61	—
BRITISH ISLANDS	Sumburgh Head ...	30.04	55	WSW	7	m	30.15	+.09	53	52	− 5	WNW	1	o	4	o,m	*	60	51	—
	Stornoway	30.17	61	WNW	6	o	30.22	+.03	56	55	− 6	W	0	o	0	o	1.8	65	52	0.11
	Wick	30.16	67	W	3	bc	30.21	+.02	57	54	− 11	NW	2	o	1	bc	*	80	52	0.03
	Nairn	30.20	71	W	2	b	30.21	−.01	61	57	− 9	W	1	o	1	b	*	77	54	—
	Aberdeen	30.20	67	ENE	2	b	30.21	−.03	66	61	− 6	WSW	1	bc	1	b	12.3	81	55	—
	Leith	30.24	76	W	2	b	30.20	−.11	63	61	− 10	WSW	3	cm	*	b	*	82	60	—
	Shields	30.26	76	WSW	1	b	30.21	−.15	68	64	+ 3	WSW	2	c	2	b	*	81	59	—
	Spurn Head ...	30.28	67	SSE	5	bc	30.22	−.20	66	61	− 1	SW	1	b	2	bc	*	81	61	—
	Loughborough ...	30.29	86	SE	2	b	30.23	−.21	70	62	+ 1	W	0	bcm	*	b,bc,c	*	88	54	—
	Malin Head ...	30.28	62	WNW	3	o	30.23	−.10	59	58	− 7	N	1	o	1	b,o	*	66	58	—
	Belmullet	30.31	64	W	1	b	30.22	−.15	61	60	− 1	ENE	1	b	*	b,f	*	67	58	—
	Donaghadee ...	30.29	66	NW	3	bc	30.25	−.13	57	56	− 4	NNE	3	f	3	bc	*	78	55	—
	Liverpool (Bidston)	30.31	69	W	1	b	30.21	−.18	65	62	− 4	W	0	b	?	f,b	*	74	61	—
	Holyhead	30.31	64	N	1	b	30.21	−.18	66	63	− 1	N	1	bcm	1	bm,b	*	68	59	—
	Parsonstown ...	30.27	82	NW	1	b	30.21	−.19	67	63	− 1	NE	1	b	*	b	13.5	83	57	—
	Valencia	30.26	73	W	0	bm	30.12	−.24	74	65	+ 5	ENE	3	b	2	b,bm	14.5	75	53	—
	Roche's Point ...	30.32	68	SE	2	b	30.16	−.23	68	64	+ 6	E	2	b	2	b	*	70	57	—
	Pembroke (St. Ann's Hd.)	30.29	76	NE	2	b	30.18	−.21	68	64	+ 2	E	2	bm	1	b	13.9	76	60	—
	Scilly	30.24	68	E	4	c	30.07	−.26	68	65	+ 3	E	5	c	1	c	11.8	71	64	—
	Jersey (St. Aubin's) ...	30.24	74	NE	5	bcm	30.12	−.22	69	65	+ 1	E	2	bcm	2	b,bcm	*	78	64	—
	Portland Bill ...	30.29	66	ESE	4	b	30.21	−.18	66	61	+ 1	ENE	3	bc	2	b	*	71	56	—
	Dungeness	30.29	67	ENE	4	bc	30.17	−.24	68	66	+ 1	ENE	4	bcm	3	b,bc	*	72	63	—
	London (Brixton) ...	30.32	75	ESE	2	b	30.22	−.24	68	63	+ 4	ESE	1	b	*	bc,b	11.0	83	54	—
	Oxford	30.31	70	SE	2	bc	30.21	−.22	69	62	+ 5	NNE	1	bm	*	bc,m	*	83	51	—
	Yarmouth	30.34	68	SSE	3	b	30.23	−.22	66	62	+ 1	ENE	1	b	2	b	*	70	58	—
GERMANY	Cuxhaven	30.18	61	W	3	b	30.20	−.21	64	61	+ 5	NW	2	b	*	c	*	66	57	—
	Berlin	30.30	69	WSW	1	b	30.25	−.14	65	62	+ 6	WSW	1	b	*	b	*	77	59	—
	Wiesbaden	*	*	*	*	*	30.22	−.19	66	61	− 1	NE	1	b	*	*	*	75	55	—
	Munich	30.34	64	E	5	c	30.28	−.14	63	60	+ 3	E	4	b	*	c	*	75	50	—
FRANCE & NETHERLANDS	The Helder ...	30.35	68	W	0	b	30.24	−.21	72	63	+ 10	W	0	b	0	b	*	72	54	—
	Brussels	*	*	*	*	*									*		*			
	C. Gris Nez ...	30.29	67	E	3	bc	30.19	−.22	64	60	+ 2	ESE	2	b	2	bc	*	70	57	—
	Paris	30.24	78	NE	2	b	30.15	−.21	64	61	+ 2	N	1	b	*	b	*	82	59	—
	Brest	30.18	86	NE	1	b	30.06	−.20	70	68	+ 2	NE	2	bc	1	b	*	90	66	—
	Lorient	30.14	83	W	0	b	30.06	−.20	68	63	0	E	4	c	2	b	*	95	66	—
	Rochefort	30.04	86	W	2	b	30.02	−.16	76	68	+ 6	E	3	c	*	b	*	?108	68	—
	Belfort	30.15	72	NE	4	bc	30.14	−.16	64	60	+ 3	ENE	4	m	*	bc	*	81	57	—
	Lyons	30.14	81	NE	1	b	30.12	−.13	69	65	+ 2	SE	1	b	*	b	*	87	61	—
	Nice	30.18	73	W	4	o	30.08	−.13	72	65	− 2	W	0	c	1	o	*	84	64	0.04
	Perpignan	30.13	77	NE	2	b	30.14	−.07	72	70	− 1	E	2	b	*	b	*	85	64	—
	Biarritz	30.06	80	W	0	b	30.01	−.10	70	69	− 5	ENE	1	m	1	b	*	82	66	—
SPAN. PEN.	Corunna																*			
	Lisbon	30.08	84	ENE	2	b	30.05	−.10	80	64	+ 1	N	2	b	*	b	*	91	73	—
	Azores (P. Delgada)	30.33	69	NNW	2	b	30.26	−.02	72	67	+ 1	NW	1	c	2	b	*	79	64	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 13.4 *hrs.*

WEATHER CHARTS

FOR Wednesday, 2nd August, 1899.

BAROMETER, WIND AND SEA.

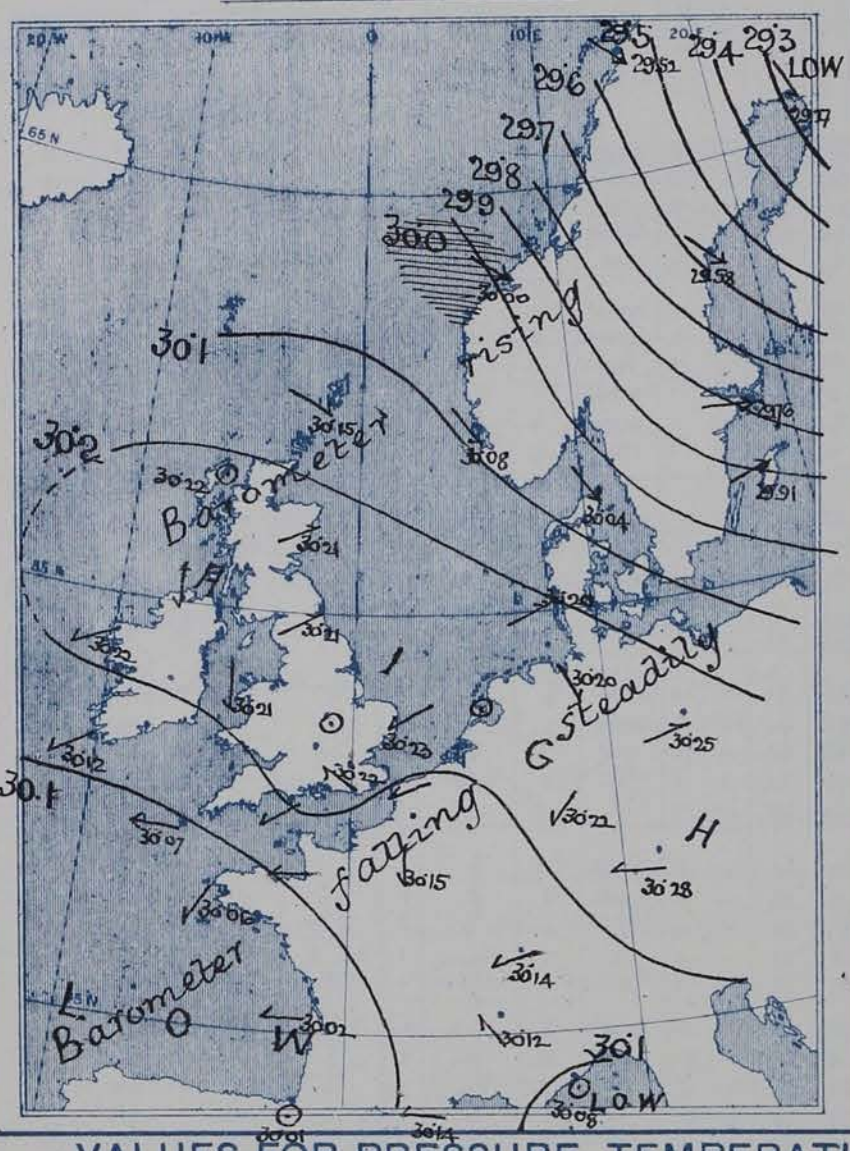
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

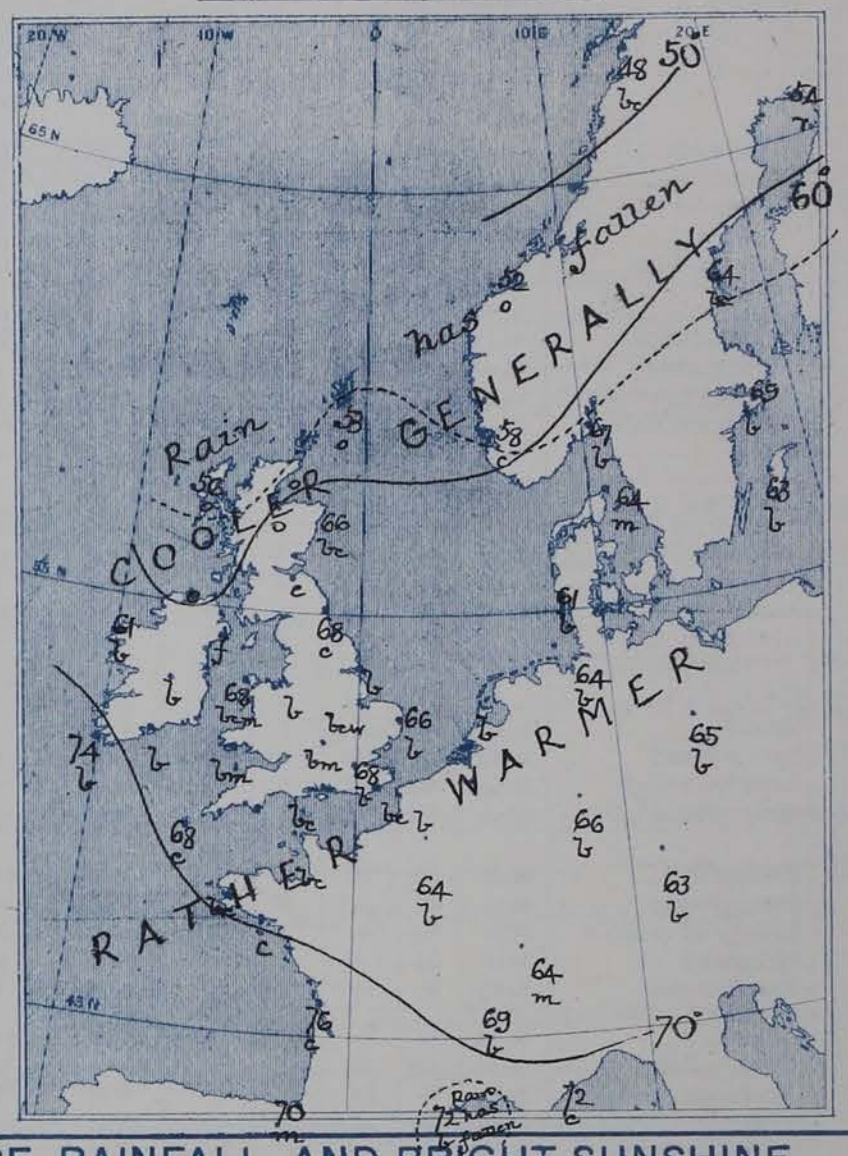


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 · 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 · 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 . 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 830	56 · 1	53 · 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 · 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 · 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and more, over Germany the Netherlands and nearly the whole of the British Islands.
Lowest. Below 29.3 ins. at Haparanda, and below 29.9 ins. over the greater part of Sweden and the Gulf of Bothnia.
Gradients very slight and rather irregular over our Islands, moderately steep over Scandinavia
Barometer rising again in the NW. of Scotland, falling elsewhere – most over Finland & Sweden

TEMPERATURE

Highest 76° at Rochefort, 74° at Valencia, 70° at Loughborough, 68° in London.
Lowest 48° at Bodo; 54° at Haparanda, 53° at Stornoway Hd. 56° at Stornoway, 59° at Malin Hd.
Maxima were recorded yesterday as high as 81° at Aberdeen, 82° at Leith, 83° in London; 88 at Loughborough; 82° at Paris, 90° at Brest, and P.108° at Rochefort.

WIND

(1) W^ly to NW^ly, and strong, over Scandinavia; W^ly; light over Scotland; (2 ~~[illegible]~~ ly, and light at the southern stations; N^ly at Paris.

WEATHER

Fine over our Islands and France, but hazy in several places, foggy at Donaghadee.
Unsettled over N^rn Europe – where also considerable rain has fallen.
Bright Sunshine recorded in our Islands yesterday amounted to 14.5 hrs. at Valencia, and 10 to 13 hrs. at most of our coast stations, but to less than 2 hrs. at Stornoway.

SEA

Moderate in the far north, smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow disturbances in the S. may cause thunderstorms in those regions tonight.

FORECASTS

For the 24 hours ending at NOON on 3RD AUGUST 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W^ly to N^ly breezes, light; cool tonight, warmer tomorrow.	6 SCOTLAND WEST	Same as N°s 0 to 2.
1 SCOTLAND EAST		7 ENGLAND N.W.	E^ly winds, light; warm.
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	Same as N°s 0 to 2.
4 MIDLAND COUNTIES	E^ly and NE^ly winds, light; fine, warm today, possibly thunder tonight.	10 IRELAND SOUTH	E^ly and SE^ly winds, light. possibly some thunder showers
5 ENGLAND SOUTH		WARNINGS	None issued.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·21	63	60	S	4	c	3
Sumburgh Head	30·04	57	56	WSW	7	o	6
Stornoway... ...	30·17	64	63	WSW	5	o	5
Aberdeen	30·19	79	68	SSE	2	b	1
Shields	30·30	80	67	W	3	b	2
Malin Head ...	30·31	66	64	WNW	3	b	1
Belmullet	30·35	64	61	W	1	b	*
Holyhead	30·35	68	65	N	1	bm	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA	SEA.
Valencia	30·31	73	67	SW	2	b	3
Scilly	30·29	69	66	E	4	c	1
Jersey	30·29	76	66	ENE	4	b	4
Portland Bill ...	30·35	70	65	ESE	5	bc	4
Dungeness ...	30·35	71	67	ENE	4	b	3
London (Westminster)	30·37	78	64	E	3	b	*
Yarmouth ...	30·39	70	64	SSE	3	b	3
Rochefort ...	30·12	?100	80	E	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental information will be issued tomorrow.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday 3rd August, **1899.**

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins
SCANDINAVIA	Haparanda	29.52	51	NW	2	c	29.60	+ .33	51	44	− 3	NW	2	b	•	c	•	63	50	—
	Hernösand	29.82	54	NW	8	b	29.88	+ .30	54	46	− 10	NW	8	bc	•	b	•	64	46	—
	Stockholm	29.91	61	W	2	b	30.04	+ .28	57	48	− 12	NW	4	b	•	b	•	77	?57	—
	Wisby	29.93	67	WNW	4	b	30.04	+ .13	61	56	− 2	N	4	b	•	b	•	70	52	—
	Karlstad	29.93	65	NNE	2	bc	30.08	+ .24	57	47	− 12	NNE	2	b	•	bc	•	•	•	—
	Bodö	29.71	47	WNW	6	c	29.76	+ .24	50	46	+ 2	W	6	c	4	c	•	50	45	0.12
	Christiansund ...	30.10	51	NW	6	c	30.12	+ .12	53	48	+ 1	NW	6	c	4	c	•	54	48	—
	Skudesnaes ...	30.18	56	NNW	6	c	30.18	+ .10	55	50	− 3	N	4	b	2	bc, c	•	59	50	•
	Færder (X'iania Fjord)	29.94	68	NW	4	b	30.09	+ .18	58	50	− 9	NE	2	b	2	b	•	72	57	—
	The Scaw (Skagen)	29.98	61	WNW	6	m	30.04	.00	60	58	− 4	NE	2	b	0	m	•	84	59	—
	Fanö	30.15	59	NW	4	c	30.13	− .07	59	54	− 2	NW	4	c	•	c	•	73	57	—
BRITISH ISLANDS	Sumburgh Head ...	30.22	54	2	0	0	30.19	+ .04	52	49	− 1	2	0	0	3	c, 0	•	58	49	—
	Stornoway	30.23	63	ENE	3	b	30.15	− .07	59	57	+ 3	ESE	2	c	2	b	8.9	65	45	—
	Wick	30.24	60	NW	1	bc	30.20	− .01	57	52	0	S	2	0	1	bc	•	68	43	—
	Nairn	30.24	60	E	1	0	30.17	− .04	58	56	− 3	2	0	0	1	0	•	64	56	—
	Aberdeen	30.25	56	ENE	3	0	30.19	− .02	57	54	− 9	ESE	2	0g	3	0gg, 0	3.2	69	54	—
	Leith	30.21	66	E	2	c	30.15	− .05	59	58	− 4	ENE	2	m	•	c	•	80	56	—
	Shields	30.18	65	NE	2	c	30.16	− .05	60	59	− 8	ESE	2	0	2	b, c	•	74	58	—
	Spurn Head ...	30.14	63	SE	4	bc	30.13	− .09	59	59	− 7	E	4	0	3	bc, f	•	76	58	—
	Loughborough ...	30.09	80	ESE	2	c	30.10	− .13	63	60	− 7	ENE	3	cm	•	bc, c, cm	•	85	58	—
	Malin Head ...	30.19	60	E	2	bc	30.09	− .14	56	56	− 3	ESE	3	f	2	b, bc	•	63	56	—
	Belmullet	30.15	64	ENE	3	bc	30.06	− .16	62	59	+ 1	ENE	3	0	•	b, bc	•	66	58	—
	Donaghadee ...	30.17	59	NW	3	bc	30.10	− .15	58	?35	+ 1	NNW	3	c	2	bc	•	61	54	—
	Liverpool (Bidston)	30.09	68	NW	1	0	30.07	− .14	64	60	− 1	ENE	4	bc	?	cm	•	72	61	—
	Holyhead	30.11	62	N	1	cm	30.03	− .18	65	62	− 1	E	3	cm	2	cm, cm	•	68	60	—
	Parsonstown ...	30.09	75	SE	1	0	30.00	− .21	60	58	− 7	NW	1	0	•	c, 0	5.6	79	57	—
	Valencia	30.03	78	E	3	cm	29.93	− .19	68	63	− 6	NE	2	cm	2	bm, cm	14.4	87	60	—
	Roche's Point ...	30.08	68	SE	2	bc	29.94	− .22	68	64	0	E	3	bc	3	bc	•	72	62	—
	Pembroke (St. Ann's Hd.)	30.04	74	NE	1	b	29.95	− .23	65	62	− 3	E	3	b	1	b	8.7	76	60	—
	Scilly	29.99	69	ENE	4	c	29.85	− .22	65	65	− 3	ESE	4	cm	1	c	9.4	72	64	—
	Jersey (St. Aubin's) ...	30.02	76	NE	3	bc	29.91	− .21	72	67	+ 3	ENE	1	cg	1	bcm, cg	•	80	67	—
	Portland Bill	30.06	67	ESE	3	0	29.96	− .25	66	63	0	E	4	c	3	c, 0	•	73	58	—
	Dungeness	30.06	68	ENE	4	c	29.97	− .20	69	65	+ 1	ENE	4	b	3	bc, c	•	72	64	—
	London (Brixton) ...	30.09	71	ESE	2	0	30.03	− .19	69	65	+ 1	ENE	2	b	•	b, 0	9.0	82	61	—
	Oxford	30.08	70	ESE	2	0	30.02	− .19	67	62	− 2	NE	1	c	•	cm	•	81	57	—
	Yarmouth	30.13	68	ENE	2	b	30.08	− .15	63	61	− 3	ENE	4	cg	4	b	•	70	60	—
GERMANY	Cuxhaven	30.12	68	N	1	bc	30.10	− .10	61	59	− 3	NE	2	b	•	bc	•	70	59	—
	Berlin	30.10	73	2	0	b	30.07	− .18	67	62	+ 2	2	0	b	•	b	•	81	59	—
	Wiesbaden	•	•	•	•	•	30.04	− .18	68	64	+ 2	NE	1	r	•	•	•	88	63	—
	Munich	30.16	66	SE	2	b	30.13	− .15	64	60	+ 1	E	1	b	•	b	•	77	52	—
FRANCE & NETHERLANDS	The Helder ...	30.11	67	NNE	3	b	30.09	− .15	63	61	− 9	ENE	3	0	2	b	•	75	63	—
	Brussels	•	•	•	•	•	30.01		71	64		ESE	1	bc	•	0	•	82	57	—
	C. Gris Nez ...	30.08	67	E	4	0	30.00	− .19	66	64	+ 2	E	1	b	1	0	•	73	61	—
	Paris	30.08	85	E	2	b	29.97	− .18	68	63	+ 4	NE	1	b	•	b	•	88	63	—
	Brest	29.93	82	NW	1	b	?29.86	− .20	64	63	− 6	SW	1	c	0	b	•	90	61	—
	Lorient	29.94	87	SSW	1	b	29.89	− .17	66	64	− 2	NW	1	0	0	b	•	93	64	—
	Rochefort	29.94	77	NW	2	c	29.91	− .11	71	68	− 5	S	4	0	•	bc, c	•	97	68	—
	Belfort	29.98	79	S	1	c	30.00	− .14	67	61	+ 3	2	0	m	•	c	•	84	58	—
	Lyons	30.02	79	S	3	bc	30.02	− .10	71	65	+ 2	WSW	1	b	•	bc, 2	•	87	62	—
	Nice	30.05	77	W	2	c	30.00	− .08	75	63	+ 3	E	1	b	1	c	•	88	66	—
	Perpignan	30.07	74	NE	2	0	30.03	− .11	72	69	0	NE	2	bc	•	0	•	79	69	—
	Biarritz	29.96	76	W	4	bc	29.94	− .07	72	69	+ 2	E	2	0	1	bc	•	91	70	—
SPAN. PEN.	Corunna																			
	Lisbon	30.00	78	N	4	b	29.94	− .11	72	64	− 8	NE	3	b	•	b	•	95	68	—
	Azores (P. Delgada)	30.23	71	NNE	4	b	30.14	− .12	73	68	+ 1	NW	3	c	2	b	•	81	68	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 8.5 *hrs.*

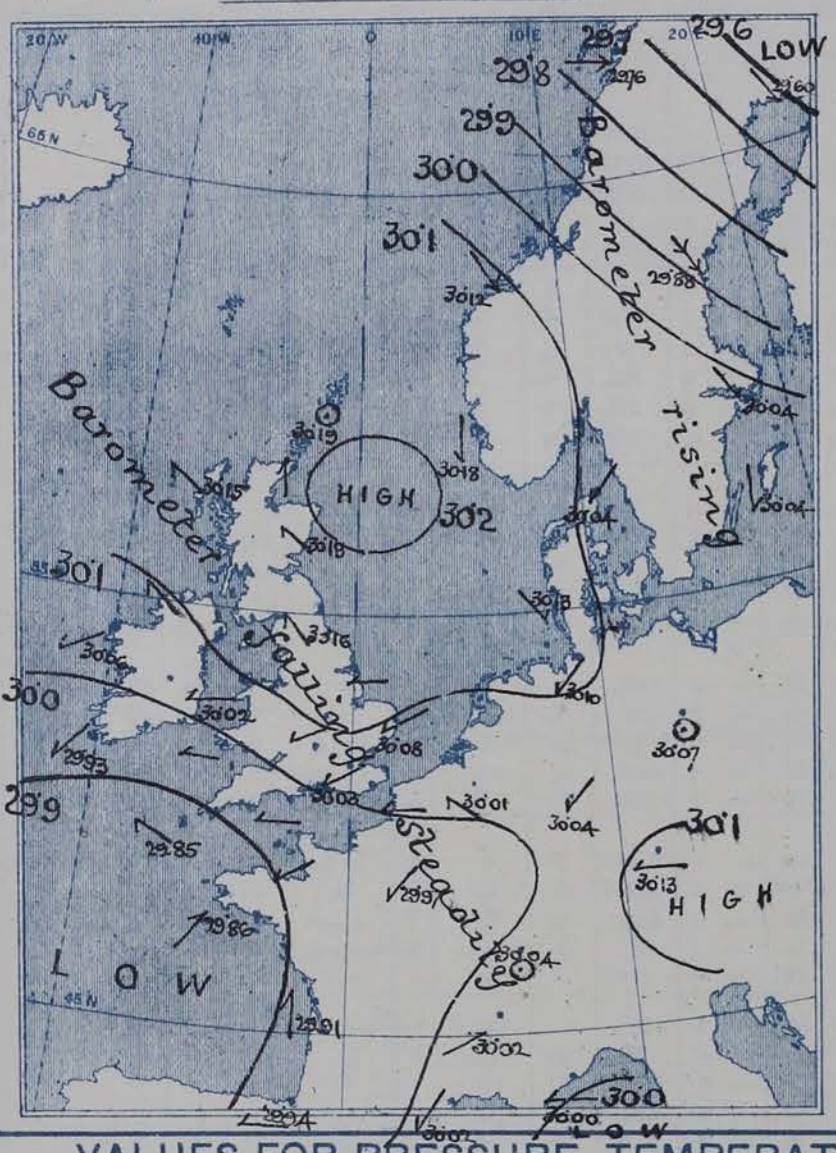
WEATHER CHARTS

FOR Thursday, 3rd August, 1899.

BAROMETER, WIND AND SEA.

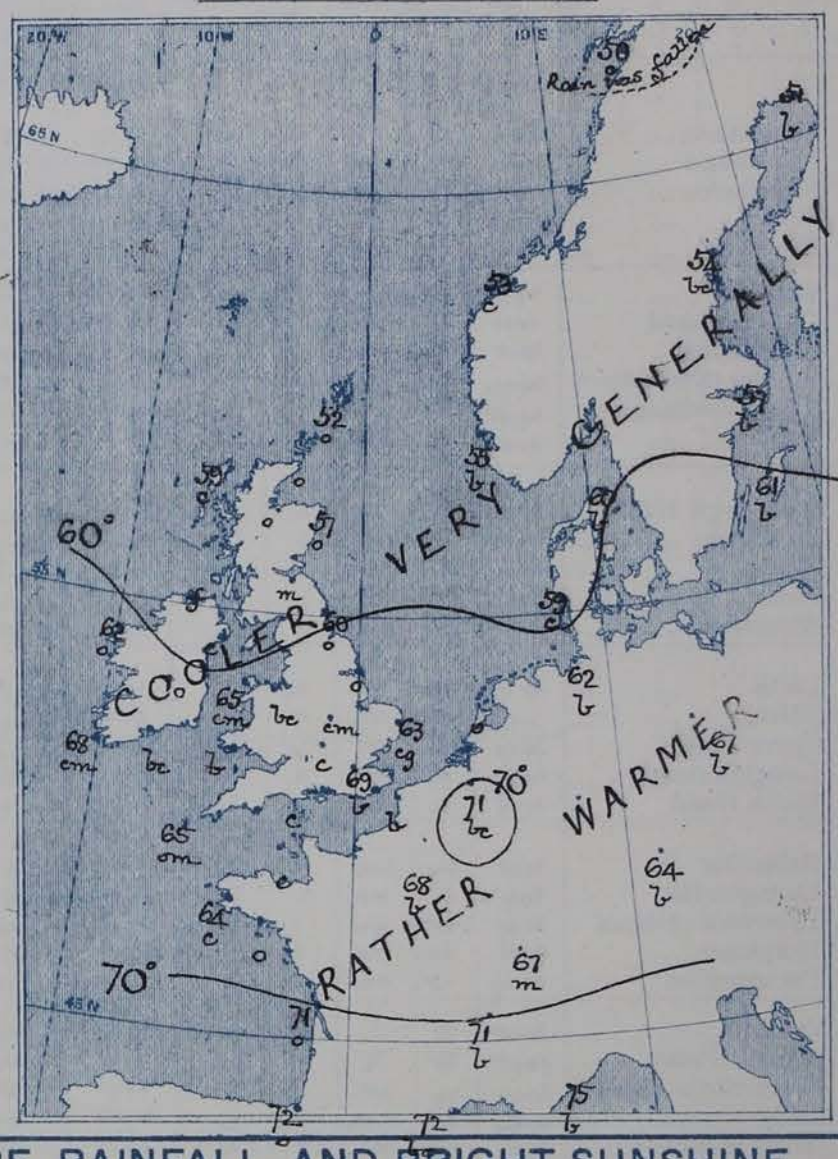
BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ :
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29·923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. to 30.1 ins. in an anticyclone covering the N^rn. and N.E^rn. parts of Gt. Britain, the North Sea, and the S. of Norway.
Lowest (1) 29.6 ins. at Haparanda; (2) 29.9 ins. and less over the Bay of Biscay and at the mouth of Channel. Over Scandinavia the barometer has risen decidedly, the depression noticed there yesterday having passed away.

TEMPERATURE

Highest 75° to 70° in the S. and SW. of France, 69° in London 68° in Paris and at Valencia.
Lowest 50° to 51° in Lapland, 52° at Dumbugh H^d., 56° at Malin H^d., 57° at Aberdeen & Stockholm.
The maxima readings recorded yesterday were 79° at Parsonstown, 80° at Leith, 82° in London, 85° at Loughborough; 88° at Paris, 97° at Rochefort; 88° at Nice.

WIND

(1) E^ly and moderate to light over the Channel, England and Ireland; nearly calm in Scotland and over the North Sea; (2) NW^ly to N^ly over Scandinavia, and strong in Sweden.

WEATHER

Dull in Scotland, but fine in most other places; rain is reported at Wiesbaden, lightning at Lyons. A solar halo was observed at Oxford yesterday.
0.12 in. of rain is reported from Bodö; no measurable quantity elsewhere.
Bright Sunshine recorded yesterday amounted to 14¼ hrs. at Valencia, but was less than 10 hrs. at the other stations, only 3.2 hrs. at Aberdeen.

SEA

Smooth or nearly so at all stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no decided indication of material change.

FORECASTS

For the 24 hours ending at NOON on 4th. AUGUST 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE^ly and E^ly winds, light to moderate; fair, warmer.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	E^ly breezes, moderate; fine, some thunder in places.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos. 0 to 2.
7 ENGLAND N.W.	Same as Nos. 3 to 5
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	None issued.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·16	59	54	NNW	4	bc	1
Sumburgh Head	30·19	56	53	WNW	2	c	4
Stornoway... ...	30·23	65	62	E	2	b	2
Aberdeen	30·24	58	56	NE	4	ogq	4
Shields	30·18	66	63	E	3	b	2
Malin Head ...	30·22	63	60	E	2	b	1
Belmullet	30·19	66	62	NNE	3	b	*
Holyhead	30·15	65	63	N	2	cm	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·06	81	68	ESE	4	bm	4
Scilly	30·04	70	66	E	6	c	2
Jersey	30·07	79	71	E	3	bc	3
Portland Bill ...	30·12	73	66	ESE	4	c	3
Dungeness ...	30·11	72	66	ENE	4	bc	3
London (Westminster)	30·12	76	65	SE	3	b	*
Yarmouth ...	30·17	70	66	ENE	2	b	2
Rochefort ...	30·00	91	75	W	2	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine over our Islands, Spain, France and Germany, but foggy or hazy in places; mottled over Northern Europe, with rain in places. Rain reported later at Bodö only of the stations in our area, but sky overcast in London at evening.

Temperature in morning highest, 83° at Patras, 81° at Leghorn; above 70° all over the Mediterranean, and at Valencia (Ireland). Lowest 48° at Bodö, 53° at Archangel and Lumburgh Head, 56° at Stornoway, 59° both at Hurspic and Malin Head. Rising later to 79° at Parsonstown, 80° at Wick, 82° in London, 85° at Parsonstown; (2) to 81° at Berlin, 88° at Paris and Nice, 97° at Rochefort.

Wind was (1) SW.ly to NW.ly, strong and squally over Northern Europe, (2) light W.ly in Scotland, E.ly at all our southern stations, NW.ly over Central Europe. The W.ly wind over Scandinavia falling light later.

Barometer. Highest 30·3ins. to 30·1ins. in an anticyclone of irregular form covering the whole of Central Europe, the Mediterranean, France and the British Isles. Lowest (1) 29.3ins. and less to 29.8ins. in a depression over Northern Europe, with its centre near Haparanda; (2) below 30.0ins. over the Bay of Biscay. Falling generally all day and a secondary disturbance appearing over France.

General Remarks on the Weather over Europe during the 24 hours ending August 2nd 8 am

Weather in morning fine over Eastern, Central and Western Europe, with the British Islands; dull in Norway and rainy in places. Considerable rain in Norway and Lapland later (1·3ins. at Bodö) some fall in the north of Scotland, and a little at Nice – fine and dry at the other stations.

Temperature still high over Western Europe for the time of year. Morning readings highest (1) 81° at Patras, 80° at Brindisi, 78° at Bilbao; above 70° over the Mediterranean and Southern Europe generally; (2) above 70° over the East and south of Scotland. Lowest 52° at Bodö, 51° at Hurspic, 55° at Archangel, 58° at Lumburgh Head. Rising later to 80° and more in many parts of Scotland and the north of England, to 83° at Parsonstown and in London; to 82° at Paris, 84° at Nice, but to 95° at Lorient and to (?) 108° at Rochefort.

Wind SW.ly to W.ly at all the northern, E.ly to NE.ly in the south – the westerly current being strong, the Easterly light to moderate. The westerly wind decreasing in force later over Scotland, but blowing hard over Scandinavia.

Barometer highest 30·4ins. and more to 30·5ins. in an anticyclonic system covering Ireland, England, the Netherlands, the northeast of France and western Germany. Lowest (1) 29.8ins. and less over Lapland, (2) below 30·2ins. over Portugal, the north of Spain and the southwest of France. Falling generally later, but most of all over the north of Sweden; – rising over Central Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Friday 4th August, **1899.**

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.66	50	NW	2	c	29.82	+ ·22	53	45	+ 2	NNW	2	bc	•	c	•	63	41	—
	Hernösand	29.97	55	W	4	b	30.04	+ ·16	55	47	+ 1	NW	6	b	•	b	•	63	43	—
	Stockholm	30.02	61	NNW	2	b	30.15	+ ·14	61	50	+ 4	NNE	2	b	•	b	•	70	50	—
	Wisby	30.08	58	SSE	4	bc	30.14	+ ·10	63	57	+ 2	S	4	o	•	bc	•	66	50	—
	Karlstad	30.04	59	NE	2	b	30.12	+ ·04	59	51	+ 2	NE	2	b	•	b	•	•	•	—
	Bodö	29.91	48	W	6	o	30.02	+ ·26	49	45	− 1	WNW	4	bc	2	o	•	50	45	0.16
	Christiansund ...	30.14	51	W	4	c	30.17	+ ·05	55	50	+ 2	WSW	1	bc	1	c	•	55	48	—
	Skudesnaes ...	30.13	55	N	6	b	30.10	− ·08	55	54	0	N	4	b	2	b	•	61	50	•
	Færder (X'iania Fjord)	30.02	64	WSW	2	b	30.11	+ ·02	60	55	+ 2	NNE	4	b	2	b	•	64	58	—
	The Scaw (Skagen)	30.07	59	NNW	1	b	30.10	+ ·06	63	58	+ 3	SE	1	b	0	b	•	73	54	—
	Fanö	30.08	57	NW	3	c	30.10	− ·03	56	54	− 3	NNW	2	b	•	c	•	66	50	—
BRITISH ISLANDS	Sumburgh Head ...	30.17	54	SW	1	o	30.13	− ·06	54	50	+ 2	E	1	o	1	o	•	56	50	—
	Stornoway	30.11	61	ENE	2	b	30.08	− ·07	56	56	− 3	ENE	1	c	1	bc, b	12.4	66	48	—
	Wick	30.15	56	S	2	o	30.11	− ·09	57	55	0	S	1	f	1	o	•	60	53	—
	Nairn	30.13	58	E	1	o	30.10	− ·07	58	56	0	Z	0	o	1	o	•	62	52	—
	Aberdeen	30.15	57	SE	2	og	30.14	− ·05	57	55	0	S	3	og	2	og	0.2	61	56	—
	Leith	30.10	63	ENE	1	o	30.08	− ·07	60	57	+ 1	Z	0	o	•	o	•	64	57	—
	Shields	30.13	59	ESE	2	od	30.11	− ·05	59	56	− 1	SE	3	o	2	odp	•	62	56	0.02
	Spurn Head ...	30.10	59	NE	4	b	30.09	− ·04	61	58	+ 2	ENE	4	bc	4	o, b	•	62	55	—
	Loughborough ...	30.05	67	E	4	bc	30.06	− ·04	62	58	− 1	ENE	4	c	•	c, bc, o, c	•	73	57	—
	Malin Head ...	30.03	61	E	3	m	30.02	− ·07	60	59	+ 4	ESE	3	bc	2	m	•	63	56	—
	Belmullet	29.96	66	WNW	4	o	29.99	− ·07	63	61	+ 1	ESE	1	tlr	•	tlr, o	•	67	60	0.02
	Donaghadee ...	30.02	66	NE	2	b	30.05	− ·05	59	57	+ 1	ESE	3	bc	3	b	•	67	56	—
	Liverpool (Bidston)	29.99	69	ENE	5	b	30.02	− ·05	61	55	− 3	E	3	bc	?	bm	•	73	55	—
	Holyhead	29.94	70	E	3	bc	29.96	− ·07	62	60	− 3	E	2	cm	1	c, bc	•	73	59	—
	Parsonstown ...	29.91	73	E	3	c	29.94	− ·06	64	63	+ 4	NE	1	o	•	c, tlr	5.5	77	59	0.18
	Valencia	29.84	68	W	1	cm	29.90	− ·03	67	63	− 1	Z	0	bcw	1	cm	3.6	78	57	—
	Roche's Point ...	29.89	66	ESE	3	c	29.92	− ·02	65	62	− 3	W	1	c	1	c, tlr	•	72	61	0.15
	Pembroke (St. Ann's Hd.)	29.89	68	SW	2	bc	29.92	− ·03	63	63	− 2	SE	5	ogw	4	bc	8.1	78	62	—
	Scilly	29.89	69	SSW	1	cm	29.88	+ ·03	69	65	+ 4	E	1	bcw	0	og, cm, b	7.1	72	65	—
	Jersey (St. Aubin's) ...	29.85	70	W	3	b	29.93	+ ·02	64	63	− 8	WNW	2	cm	2	c, bm, b	•	85	62	—
	Portland Bill ...	29.90	68	E	4	bc	29.93	− ·03	65	64	− 1	ENE	3	o	3	c, bc, tlr	•	74	58	0.74
	Dungeness	29.93	69	NE	4	bc	29.93	− ·04	68	65	− 1	ENE	6	bc	5	b, bc	•	73	65	—
	London (Brixton) ...	29.99	71	E	3	b	29.98	− ·05	68	65	− 1	E	4	o	•	b, o	10.0	83	62	—
	Oxford	29.99	68	ENE	2	c	29.98	− ·04	62	60	− 5	NE	3	ow	•	c, b	•	84	58	—
	Yarmouth	30.04	64	ENE	5	bc	30.04	− ·04	63	60	0	ENE	4	b	4	c, bc	•	64	59	—
GERMANY.	Cuxhaven	29.96	68	NNW	4	c	30.08	− ·02	61	58	0	NE	2	b	•	c	•	72	57	—
	Berlin	30.02	74	NNW	1	b	30.03	− ·04	70	62	+ 3	E	2	c	•	b	•	81	64	—
	Wiesbaden	•	•	•	•	•	30.00	− ·04	71	66	+ 3	NE	1	b	•	•	•	82	63	—
	Munich	30.06	67	Z	0	b	30.12	− ·01	69	62	+ 5	W	3	b	•	b	•	79	55	—
FRANCE & NETHERLANDS.	The Helder ...	30.02	64	NE	4	b	30.04	− ·05	64	60	+ 1	NE	3	b	1	b	•	68	61	—
	Brussels	•	•	•	•	•	29.99	− ·02	63	62	− 8	ENE	2	m	•	b	•	87	57	—
	C. Gris Nez ...	29.97	66	E	3	m	29.95	− ·05	68	64	+ 2	SE	3	m	3	m	•	73	61	—
	Paris	29.89	84	ENE	1	bc	29.92	− ·05	74	67	+ 6	ESE	1	b	•	bc	•	91	64	—
	Brest	29.91	70	WSW	1	bc	29.91	+ ·05	62	60	− 2	NE	1	b	1	bc	•	79	54	—
	Lorient	29.92	70	W	4	bc	29.89	·00	62	61	− 4	ENE	4	bc	2	bc	•	?	59	—
	Rochefort	29.91	74	NW	2	bc	29.88	− ·03	68	64	− 3	NE	2	bc	•	bc	•	77	64	—
	Belfort	•													•		•			
	Lyons	29.93	83	ESE	1	b	29.98	− ·04	73	65	+ 2	SE	1	b	•	b	•	90	66	—
	Nice	29.99	73	SW	1	c	29.99	− ·01	74	61	− 1	E	2	b	1	c	•	88	66	—
	Perpignan														•		•			
	Biarritz	29.89	74	N	3	o	29.82	− ·12	70	?	− 2	E	4	o	1	o, tl	•	79	68	—
SPAN. PEN.	Corunna																•			
	Lisbon	29.86	70	NNW	4	bc	29.90	− ·04	70	65	− 2	SW	2	c	•	bc	•	88	66	—
	Azores (P. Delgada)	30.13	71	NW	3	b	30.11	− ·03	72	67	− 1	NE	4	c	2	b	•	79	66	—

For Explanation of Columns, see bottom of last page. *† Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

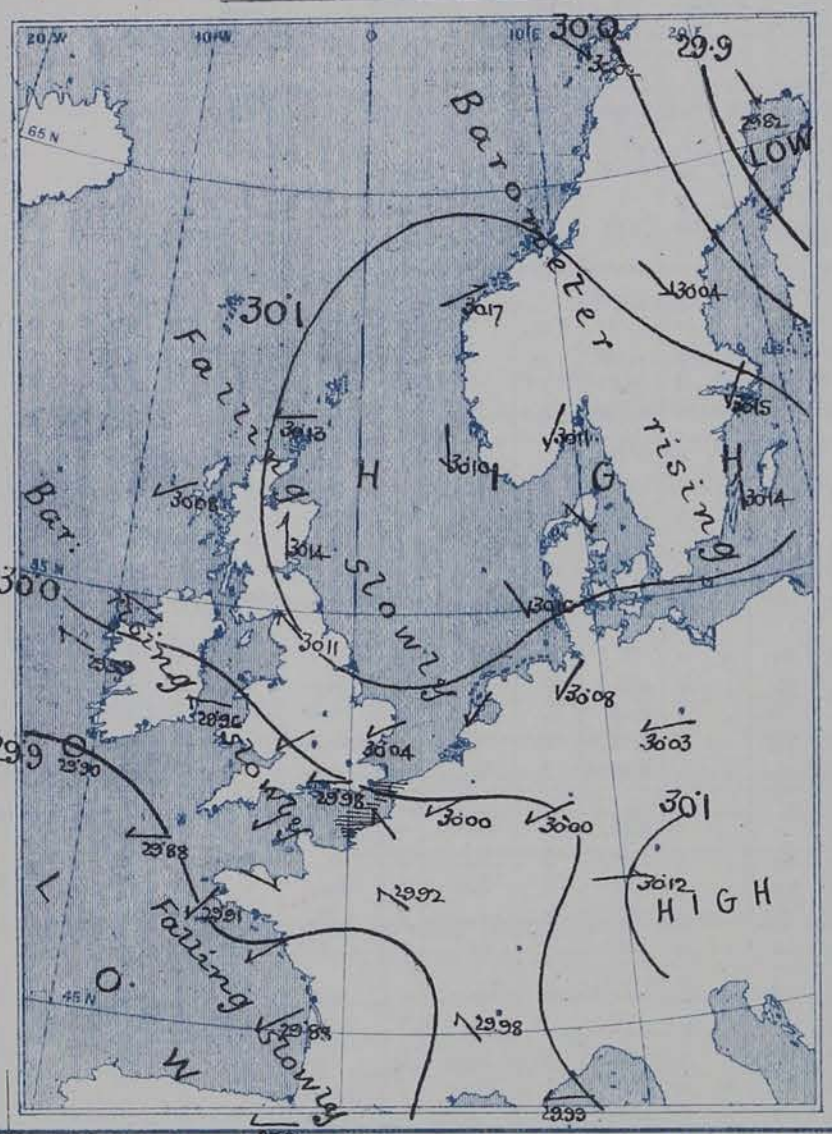
Bright Sunshine yesterday Southport 10·2 hrs.

WEATHER CHARTS

FOR Friday, 4th August, 1899.

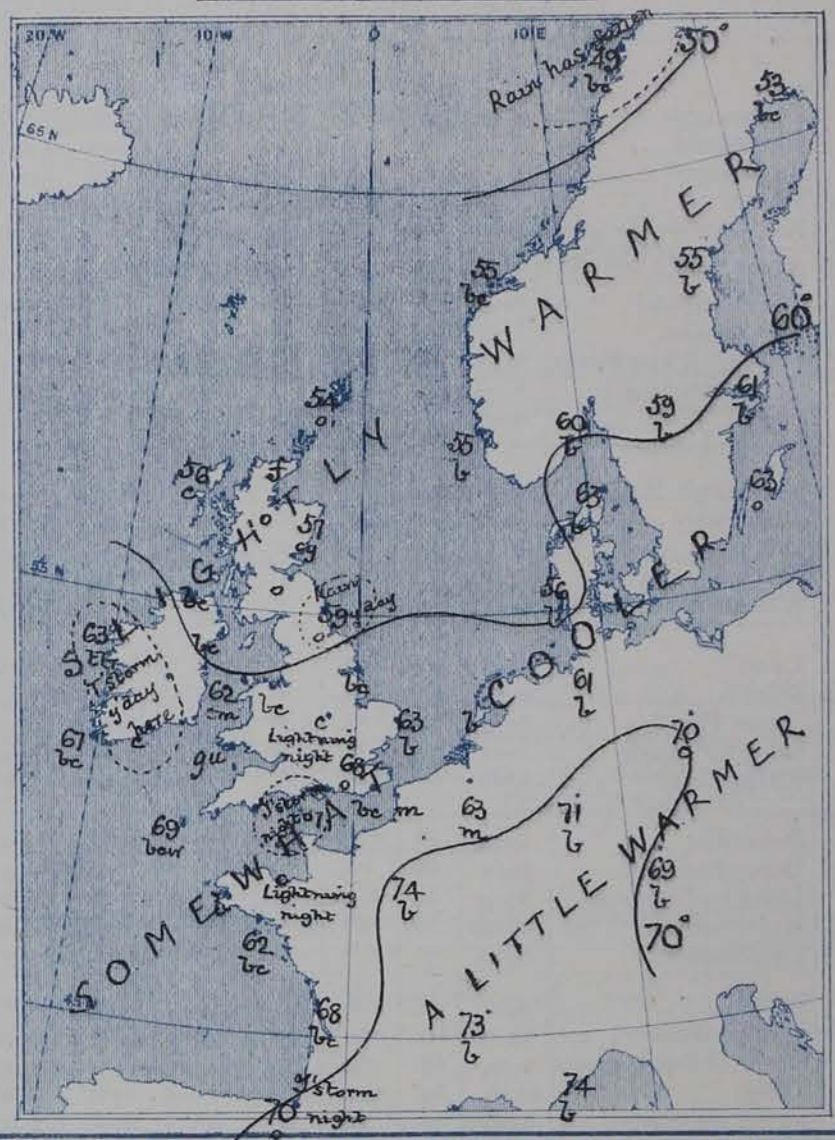
BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ :
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29·923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. and more in an anticyclone covering the N.rn parts of the North Sea, the E. of Scotland and the S. of Scandinavia.
Lowest (1) below 29.9 ins. over the Bay of Biscay and off the S. of Ireland; (2) below 29.9 ins. over the E. of Lapland.
Gradients slight. Barometer still inclined to fall in the SW. of France.

TEMPERATURE

Highest 70° to 74° in the S. of France, 74° at Paris, 69° at Scilly, 68° in London.
Lowest 49° at Bodö, 53° at Haparanda, 54° at Dumbugh H.d, 56° at Stornoway, 57° at Aberdeen, 59° at Shields.
The maxima recorded during yesterday were 85° at Jersey, 84° at Oxford, 83° in London, 82° at Wiesbaden, 87° at Brussels, 91° at Paris, 90° at Lyons.

WIND

Mainly anticyclonic over our Islands and their neighbourhood, and chiefly E.ly (NE to SE) in direction on our own coasts, NW.ly over the northern half of Scandinavia.
It blew very freshly from the E.rn over our southern counties in the night.

WEATHER

Fine over the Continent, and many parts of England, but not so settled as of late.
Considerable showers fell locally at some of our W.rn and S.rn stations yesterday, and thunder and lightning occurred in many places.
Bright Sunshine recorded yesterday were 12.4 hrs. at Stornoway, about 10 to 12 hrs. on many parts of our S.rn coasts, but less in Ireland.

SEA

Moderate in the SE., slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further disturbances of a thundery character are probable in the W. and S., fine weather is likely in the north.

FORECASTS

For the 24 hours ending at NOON on 5TH AUGUST 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	SE.ly and S.ly winds, light; fair, warmer.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	E.ly breezes, moderate; fine, warm, not settled.
6 SCOTLAND WEST 7 ENGLAND N.W.	Same as Nos. 0 to 2.
8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	E.ly and SE.ly winds, moderate; thunder locally, some rain.
WARNINGS	None issued.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·15	60	56	NNW	6	b	2
Sumburgh Head	30·17	55	51	W	1	o	2
Stornoway... ...	30·12	65	64	E	2	bc	2
Aberdeen	30·17	59	55	SE	2	og	3
Shields	30·16	59	59	ESE	1	odp	2
Malin Head ...	30·05	62	61	E	3	m	2
Belmullet	30·01	61	60	NNE	2	rtt	*
Holyhead	29·97	73	66	E	4	c	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29·87	77	67	NE	2	cm	3
Scilly	29·86	68	65	WSW	1	c	0
Jersey	29·88	82	74	SSE	3	c	3
Portland Bill ...	29·93	71	67	ESE	5	c	4
Dungeness ...	29·96	72	67	NE	5	b	4
London (Westminster)	29·98	78	69	E	3	b	*
Yarmouth ...	30·07	64	61	ENE	5	c	4
Rochefort ...	29·92	74	70	NW	3	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning dull over Scotland and the N. of Ireland and the E^rn. parts of England, fine over the S^rn. parts of our Islands and the Continent, and in most places bright. Rain falling later in several SW^rn. and S^rn. localities and at Bodo; thunder and lightning occurring in many parts of Ireland and England, as well as at Biarritz.

Temperature fallen at our N^rn. stations and over Sweden. Morning readings highest 81° at Patras, 79° at Brindisi and Leghorn, 76° at Palermo, and above 70° over S^rn. and SE^rn. Europe generally, 68° at Paris, 69° in London, 67° at Berlin, 66° at Moscow. Lowest 50° & 51° in Lapland, 52° at Sumburgh H^d., 53° at Christiansund, 57° at Aberdeen, 59° at Fano and Spurn H^d. Rising later to 73° at Loughborough, 77° at Parsonstown, 83° in London, and 85° at Jersey; to 81° at Berlin, 87° at Brussels, 90° at Lyons and 91° at Paris.

Wind (1) light to moderate from E. and SE. over the greater part of our Islands, (2) variable over France and Germany; (3) NW^ly. to N^ly. strong over Sweden. The E^ly. wind freshening greatly in the south of England at night

Barometer highest 30.2 ins. at Wick, and exceeding 30.1 ins. all over the N^rn. parts of Gt. Britain, the North Sea and Norway; 30.1 ins. and more at Munich also. Lowest (1) 29.6 ins. and less over the E. of Lapland and N. of Finland, (2) 29.4 ins. and less over the Bay of Biscay; (3) 30.0 ins. and less over Turkey, Asia Minor and Greece. Changing irregularly in our Islands later.

Note. Owing to the operation of the Factory Act, the Daily Weather Report for Monday next will not be issued until Wednesday. Sunday's and Tuesday's will be issued as usual on Tuesday.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday 5th August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda	29.93	46	W	2	b	29.93	+ ·11	54	47	+ 1	NW	2	b	*	b	*	61	41	—
	Hernösand	30.09	54	2	0	0	30.06	+ ·02	54	48	— 1	NW	2	0	*	0	*	63	45	—
	Stockholm	30.10	60	2	0	0	30.06	— ·09	66	59	+ 5	S	2	b	*	0	*	72	50	—
	Wisby	30.14	58	S	4	b	30.08	— ·06	63	59	0	SSE	4	b	*	b	*	70	54	—
	Karlstad	30.06	65	SSW	2	b	30.02	— ·10	63	59	+ 4	SE	2	b	*	b	*	*	*	—
	Bodö	30.02	51	W	6	c	30.03	+ ·01	49	44	0	WNW	4	c	2	c	*	52	45	0.12
	Christiansund ...	30.13	52	NW	3	bc	30.17	·00	55	49	0	WSW	3	0	2	bc	*	55	48	—
	Skudesnaes ...	30.10	57	N	4	b	30.10	·00	55	53	0	N	6	b	2	b	*	63	52	*
	Færder (X'iania Fjord)	30.04	69	SW	1	b	30.03	— ·08	65	61	+ 5	WSW	2	b	1	b	*	70	59	—
	The Scaw (Skagen)	30.07	65	ENE	1	b	30.05	— ·05	59	57	— 4	WNW	1	f	0	b	*	84	54	—
	Fanö	30.08	57	NNW	2	b	30.08	— ·02	56	55	0	NNE	1	b	*	b	*	70	50	—
BRITISH ISLANDS	Sumburgh Head ...	30.13	54	NE	2	0	30.17	+ ·04	55	53	+ 1	E	2	0	3	0	*	58	51	—
	Stornoway	30.07	63	ENE	3	bc	30.09	+ ·01	58	57	+ 2	SE	2	0	2	c, bc	10.8	66	49	—
	Wick	30.11	60	S	1	c	30.15	+ ·04	59	55	+ 2	S	3	0	1	c	*	65	45	—
	Nairn	30.06	64	2	0	b	30.10	·00	60	58	+ 2	2	0	c	1	b	*	65	45	—
	Aberdeen	30.14	57	S	2	0	30.16	+ ·02	58	53	+ 1	SSE	3	og	2	0	0.0	59	49	—
	Leith	30.07	65	ESE	1	0	30.12	+ ·04	59	57	— 1	E	2	0	*	0	*	66	55	—
	Shields	30.11	59	ESE	2	0	30.13	+ ·02	58	56	— 1	ESE	3	0	3	0	*	60	56	—
	Spurn Head ...	30.08	59	ENE	4	bc	30.10	+ ·01	61	58	0	ENE	4	cv	4	bcv	*	63	56	—
	Loughborough ...	30.04	65	ESE	3	c	30.07	+ ·01	62	58	0	NE	4	bc	*	ct, c, bc	*	71	56	—
	Malin Head ...	30.01	62	E	3	c	30.03	+ ·01	59	59	— 1	ESE	3	m	2	c, bc	*	65	58	—
	Belmullet	29.96	67	NNE	3	bc	29.96	— ·03	64	60	+ 1	E	3	o	*	o, bc	*	70	59	0.17
	Donaghadee ...	30.03	64	ENE	2	bc	30.05	·00	58	56	— 1	ENE	2	bm	2	bc	*	66	56	—
	Liverpool (Bidston)	30.00	66	NE	3	c	30.06	+ ·04	60	56	— 1	E	2	o	2	o, c	*	70	53	0.05
	Holyhead	29.97	66	E	2	omt	29.98	+ ·02	62	59	0	E	1	om	1	c, omt	*	70	58	—
	Parsonstown ...	29.93	69	SW	1	o	29.94	·00	60	59	— 4	NW	1	rm	*	c, o	3.5	71	58	—
	Valencia	29.91	65	W	1	om	29.83	— ·07	64	62	— 3	ENE	3	rtlmg	2	cm, om	8.2	69	57	0.22
	Roche's Point ...	29.92	66	E	1	cm	29.86	— ·06	64	62	— 1	NE	4	p	3	cm, tl	*	69	60	0.10
	Pembroke (St. Ann's Hd.)	29.91	60	E	3	bc	29.90	— ·02	61	61	— 2	E	4	op	3	o, bc	0.7	68	60	0.14
	Scilly	29.81	67	NNE	3	o	29.72	— ·16	68	66	— 1	E	4	c	1	ctp, o, 2	7.3	72	65	—
	Jersey (St. Aubin's) ...	29.87	73	NNW	2	b	29.82	— ·11	74	68	+ 10	NE	1	c	1	bcm, b, p	*	80	62	0.01
	Portland Bill ...	29.92	65	E	3	f	29.91	— ·02	64	62	— 1	ENE	3	o	2	cm, f	*	72	58	0.02
	Dungeness	29.91	69	ENE	6	c	29.92	— ·01	68	66	0	ENE	5	b	5	c	*	71	65	—
	London (Brixton) ...	29.98	72	E	3	b	30.00	+ ·02	68	64	0	E	3	bc	*	bc, b, o	7.5	80	60	—
	Oxford	29.97	69	ENE	3	b	29.97	— ·01	64	60	+ 2	NE	3	c	*	b	*	81	56	—
	Yarmouth	30.03	63	ENE	4	b	30.05	+ ·01	64	61	+ 1	NE	4	b	4	b	*	65	59	—
GERMANY.	Cuxhaven	30.02	70	N	2	b	30.09	+ ·01	64	61	+ 3	NE	2	b	*	b	*	72	61	—
	Berlin	30.01	75	NE	1	b	30.03	·00	69	61	— 1	ESE	2	b	*	b	*	84	64	—
	Wiesbaden	*	*	*	*	*	30.02	+ ·02	69	65	— 2	NE	1	b	*	*	*	88	61	—
	Munich	30.10	68	NW	2	b	30.12	·00	68	62	— 1	W	1	b	*	b	*	82	55	—
FRANCE & NETHERLANDS.	The Helder ...	30.01	65	NE	3	b	30.02	— ·02	65	61	+ 1	NE	3	b	2	b	*	68	63	—
	Brussels	*	*	*	*	*	29.98	— ·01	66	63	+ 3	NNE	1	b	*	b	*	85	60	—
	C. Gris Nez ...	29.93	70	E	5	b	29.94	— ·01	67	65	— 1	E	3	m	2	b	*	79	63	—
	Paris	29.88	90	NE	1	b	29.92	·00	73	66	— 1	NE	2	b	*	b	*	96	64	—
	Brest	29.75	72	NE	2	c	29.79	— ·12	64	64	+ 2	S	2	m	1	c	*	79	59	0.04
	Lorient	29.78	81	SE	4	bc	29.82	— ·07	68	68	+ 6	S	2	m	2	bc	*	88	59	—
	Rochefort	29.78	86	E	3	b	29.84	— ·04	72	70	+ 4	S	2	o	*	b	*	91	66	—
	Belfort	29.92	78	W	3	o	29.97	+ ·01	66	61	— 4	2	0	m	*	o	*	90	59	—
	Lyons	29.91	87	S	1	bc	29.99	+ ·01	72	65	— 1	SSE	1	b	*	bc, tl	*	93	65	—
	Nice	29.97	73	SW	3	c	30.01	+ ·02	77	67	+ 3	ESE	1	bc	1	c	*	86	66	—
	Perpignan	29.93	77	NE	1	c	29.95		74	71		2	0	o	*	c	*	84	66	—
	Biarritz	29.78	80	WSW	7	t	29.84	+ ·02	72	70	+ 2	WSW	2	bc	2	tzr	*	97	68	0.12
SPAN. PEN.	Corunna														*		*			
	Lisbon														*		*			
	Azores (P. Delgada)	30.12	72	W	1	c	30.10	— ·01	71	69	— 1	WSW	1	o	2	c	*	79	68	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 1·6 *hrs.*

WEATHER CHARTS

FOR *Saturday, 5th August, 1899.*

BAROMETER, WIND AND SEA.

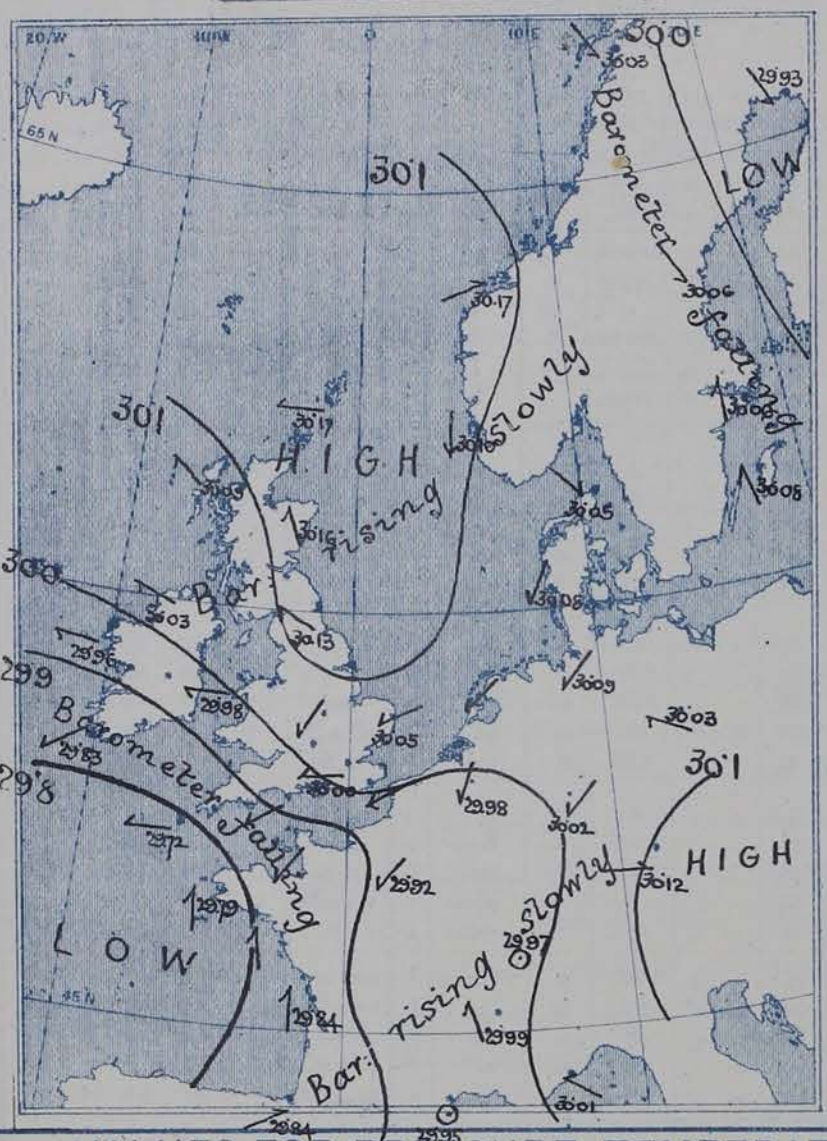
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

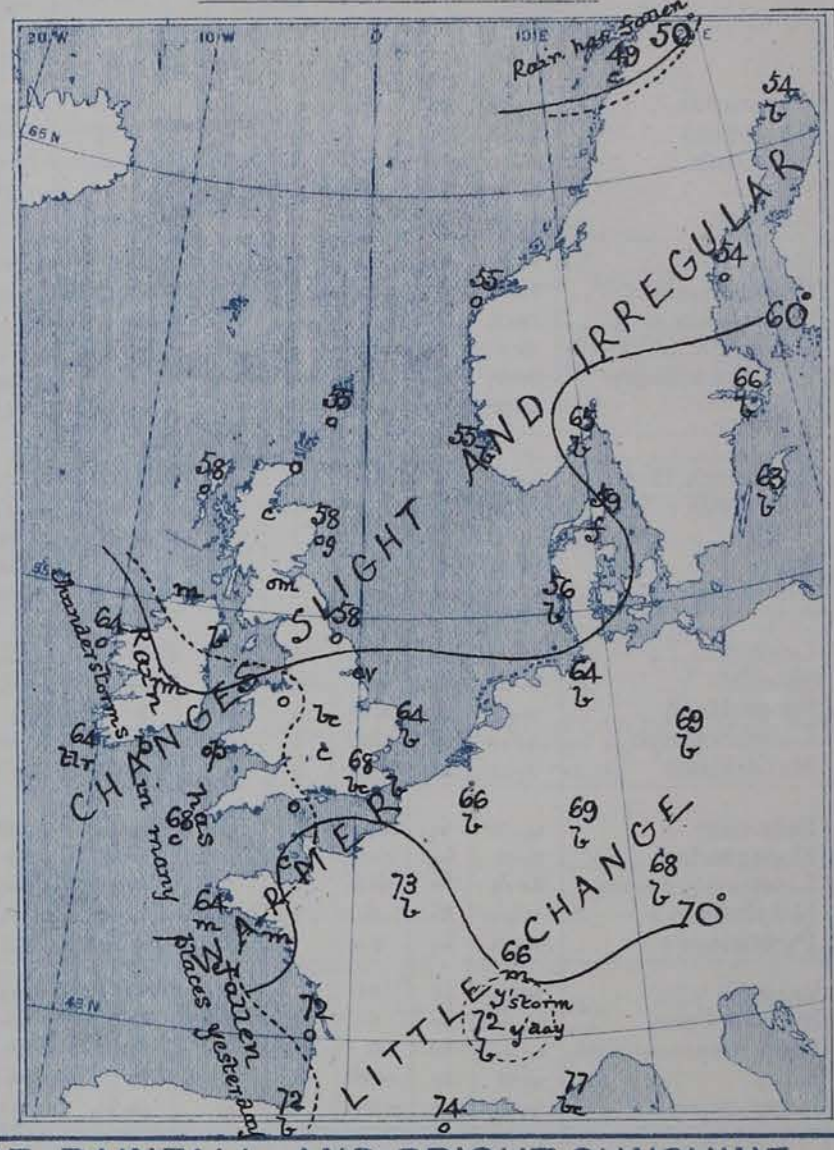


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29.923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. and more to 30.0 ins. in an anticyclonic system covering all the NE.rn parts of our area and also in another over S.rn Germany.
Lowest 29.8 in. and less in a shallow disturbance over the Bay of Biscay.
Gradients moderately steep in the SW, slight, or very slight in the N. and E.
Barometer still falling at our W.rn stations and in Cornwall, rising again in the W. of France.

TEMPERATURE

Highest 77° at Nice, 73° at Paris, 69° at Berlin, 68° in London and at Scilly.
Lowest 49° at Bodö, 54° at Hermosand, 55° at Christiansund and Scarborough H., 58° at Stornoway, Aberdeen and Shields.
It rose during yesterday to 71° at Parsonstown and Loughborough to 80° at Jersey and in London to 88° at Wiesbaden and Lorient to 96° at Paris, 93° at Lyons, and 97° at Biarritz.

WIND

(1) SE.ly at our northern stations, E.ly over Ireland, England and the English Channel, S.ly in the W. of France.
(2) NW.ly in the northeastern parts of Scandinavia, calm or nearly so in Germany.
It was again brisk from the eastward at our southern stations last night.

WEATHER

Unsettled and showery at our SW.rn stations, with thunder in places, fine in France and England and in Scandinavia, dull over Scotland.
Some rain fell last night at several of the Irish and Welsh stations, as well as in Devon and Cornwall, and some thunderstorms occurred in many parts of those regions.
Bright Sunshine recorded yesterday amounted to 11 hrs. at Stornoway and more on our SE. coasts, but there were only 3.5 hrs. at Parsonstown, none at Aberdeen.

SEA

Moderate on our E. coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of any decided change.

FORECASTS

For the 24 hours ending at NOON on 6TH AUGUST 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE.ly and S.ly winds, light; fair
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	E.ly winds, moderate; fair as a whole
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos. 0 to 2.
7 ENGLAND N.W.	E.ly and SE.ly winds, thunderstorms in places
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	None issued.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·12	63	59	N	4	b	2
Sumburgh Head	30·14	57	54	SSW	3	o	3
Stornoway... ...	30·07	65	64	ENE	2	c	2
Aberdeen	30·14	58	55	SSE	2	o	2
Shields	30·13	59	57	ESE	2	o	2
Malin Head ...	30·01	65	63	ESE	3	bc	2
Belmullet	29·99	65	64	E	1	o	*
Holyhead	29·97	69	64	NE	2	c	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29·90	67	63	W	3	cm	3
Scilly	29·89	69	65	SSE	1	c	0
Jersey	29·90	70	67	SSE	2	bc	2
Portland Bill ...	29·91	69	67	ESE	3	cm	3
Dungeness ...	29·92	69	65	ENE	6	c	5
London (Westminster)	29·96	75	67	E	3	bc	*
Yarmouth ...	30·05	65	61	ENE	4	b	4
Rochefort ...	29·84	90	75	SSE	4	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine over almost the whole of Europe, but dull and not settled over the S. of England, with an angry appearance in most places. Some rain and thunder later over Cornwall, Devonshire, Wales and Ireland, thunder also at Loughborough, and rain and thunder at Biarritz.

Temperature in morning 83° at Patras, 81° at Leghorn, 79° at Constantinople, Brindisi and Barcelona, and above 70° over the Mediterranean and S^rn. Europe generally. Lowest 49° at Bodö, 50° at Archangel, 53° at Uleaborg and Moscow; 54° at Sumburgh H^d., 55° at Christiansund and Skudenaes, 56° at Stornoway, 57° at Aberdeen. Rising later to 71° at Parsonstown and Loughborough to 80° at Jersey and in London, to 84° at Berlin, 96° at Paris, 97° at Biarritz.

Wind (1) Mainly E^ly over Ireland and England – strong at Dungeness; NW^ly and strong over Finland and the northeast of Scandinavia; (2) very light and variable over Germany and France, as well as the Mediterranean. Becoming WSW^ly at Biarritz later and increasing in force.

Barometer Highest 30.1 ins. and more to 30.0 ins. over the S^rn. half of Scandinavia and the N^rn. parts of the North Sea, and exceeding 30.0 ins. over all the NE^rn. parts of our Islands and over Germany. Lowest (1) 29.3 ins. and less to 29.8 ins. over the N^rn. parts of Russia, and (2) 29.9 ins. and less over the Bay of Biscay, and off the S. of Ireland and N. of Spain. Falling slightly on our SW. coast later, rising over Norway.

Note. Owing to the operation of the Factory Act, the Daily Weather Report for Monday next will not be issued until Wednesday. Sunday's and Tuesday's will be issued as usual on Tuesday.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 6th August, **1899.**

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.89	48	2	0	c	29.88	−.05	47	42	−7	2	0	bc	*	c	*	61	39	—
	Hernösand	30.03	53	NW	2	b	30.06	.00	51	43	−3	NW	6	b	*	b	*	64	41	—
	Stockholm	30.05	57	NNE	4	o	30.12	+.06	54	47	−12	N	6	b	*	o	*	77	54	—
	Wisby	29.99	63	SSW	4	b	30.08	.00	61	52	−2	NE	4	b	*	b	*	70	50	—
	Karlstad	30.02	64	ENE	2	b	30.16	+.14	55	48	−8	NE	2	c	*	b	*	*	*	—
	Bodö	30.03	43	W	6	c	29.95	−.08	44	42	−5	W	6	r	3	c	*	54	41	0.28
	Christiansund ...	30.25	52	NE	2	bc	30.20	+.03	53	46	−2	E	3	b	2	bc	*	55	45	-
	Skudesnaes ...	30.05	56	N	6	b	30.06	−.04	56	55	+1	N	2	b	1	b	*	61	52	*
	Færder (X'iania Fjord)	30.00	67	WSW	2	b	30.12	+.09	58	52	−7	NE	5	b	2	b	*	68	57	—
	The Scaw (Skagen)	30.04	63	2	0	b	30.04	−.01	63	60	+4	SE	2	b	0	b	*	82	52	—
	Fanö	30.07	57	NNW	3	b	30.06	−.02	55	55	−1	NNW	1	bc	*	b	*	70	50	—
BRITISH ISLANDS	Sumburgh Head ...	30.20	54	NE	2	o	30.14	−.03	54	50	−1	NE	3	c	3	o	*	57	48	—
	Stornoway	30.05	66	E	3	bc	30.05	−.04	58	57	0	E	3	o	3	o, bc	6.7	68	51	—
	Wick	30.17	57	SE	3	o	30.15	.00	54	51	−5	SE	1	o	1	o	*	67	51	—
	Nairn	30.16	66	E	1	bm	30.09	−.01	58	55	−2	E	2	cm	1	bm	*	68	48	—
	Aberdeen	30.17	57	SE	2	o	30.14	−.02	56	52	−3	ENE	3	og	4	o	0.0	61	55	—
	Leith	30.12	60	E	3	o	30.09	−.03	58	55	−1	E	2	o	*	o	*	62	55	—
	Shields	30.12	58	E	2	o	30.09	−.04	58	56	0	E	2	o	3	o	*	60	56	—
	Spurn Head ...	30.08	59	ENE	4	c	30.04	−.06	61	58	0	ENE	3	c	3	c.o	*	65	57	—
	Loughborough ...	30.03	68	NE	3	b	30.03	−.04	58	56	−4	NE	3	ogm	*	bc.c.op	*	75	56	0.02
	Malin Head ...	30.00	61	ESE	4	o	29.96	−.07	57	56	−2	ESE	5	o	3	o.r	*	63	56	0.06
	Belmullet	29.97	63	NE	1	tlr	29.92	−.04	60	59	−4	ENE	4	o	*	tlr	*	68	58	0.60
	Donaghadee ...	30.02	60	SSE	3	r	30.00	−.05	62	56	+4	NE	4	cg	3	r	*	65	55	0.09
	Liverpool (Bidston)	29.97	70	ENE	4	b	30.01	−.05	57	54	−3	E	3	o	?	o.b.tl	*	72	55	0.15
	Holyhead	29.93	68	ENE	2	ctp	29.94	−.04	63	60	+1	2	0	c	0	c.tlp	*	70	59	0.03
	Parsonstown ...	29.91	70	W	1	c	29.89	−.05	63	61	+3	SW	1	o	*	c.tlr	2.3	70	59	0.96
	Valencia	29.81	70	E	3	om	29.82	−.01	68	62	+4	ESE	2	bc	3	tlr, om	0.1	71	59	0.35
	Roche's Point ...	29.89	66	ESE	5	om	29.89	+.03	67	64	+3	ESE	3	bc	3	o.tf	*	67	61	—
	Pembroke (St. Ann's Hd.)	29.89	72	E	3	c	29.90	.00	62	61	+1	SE	3	o	3	c	3.5	72	60	0.13
	Scilly	29.84	70	SSE	3	c	29.86	+.14	67	64	−1	ESE	2	c	0	o, c	5.3	72	64	—
	Jersey (St. Aubin's) ...	29.84	79	E	1	cm	29.96	+.14	67	64	−7	WSW	3	bm	3	o, cm, b	*	82	63	0.01
	Portland Bill ...	29.87	68	ESE	4	c	29.93	+.02	62	62	−2	WNW	4	of	3	c	*	72	58	0.01
	Dungeness	29.92	72	ENE	5	c	29.95	+.03	67	66	−1	ENE	3	c	2	c.tlr	*	73	65	0.39
	London (Brixton) ...	29.98	74	E	3	bc	29.96	−.04	68	65	0	E	1	o	*	b, c, tlr	8.2	83	63	0.05
	Oxford	29.96	72	E	2	o	29.97	.00	63	61	−1	NE	2	or	*	bc.o.l	*	83	59	—
	Yarmouth	30.02	64	NE	4	b	30.01	−.04	63	60	−1	NE	4	bc	3	b	*	66	60	—
GERMANY.	Cuxhaven	30.00	67	NE	5	bc	29.96	−.13	70	62	+6	ENE	2	b	*	bc	*	70	66	—
	Berlin	29.95	77	NE	2	b	29.99	−.04	65	59	−4	ESE	1	o	*	b	*	86	64	—
	Wiesbaden	*	*	*	*	*	29.98	−.04	69	66	0	SW	1	b	*	*	*	88	63	—
	Munich	30.08	70	2	0	0	30.09	−.03	70	63	+2	W	2	b	*	o	*	82	57	—
FRANCE & NETHERLANDS.	The Helder ...	30.00	65	NE	3	b	29.99	−.03	66	62	+1	NE	2	b	2	b	*	68	61	—
	Brussels	*	*	*	*	*	29.99	+.01	66	62	0	WNW	2	c	*	o	*	90	59	—
	C. Gris Nez ...	29.97	71	SE	2	r	29.95	+.01	67	64	0	E	4	c	3	r	*	77	63	0.28
	Paris	29.86	88	ESE	2	b	29.97	+.05	69	66	−4	NNE	3	o	*	b	*	96	64	0.24
	Brest	29.89	68	S	1	b	29.93	+.14	64	61	0	S	1	b	1	b	*	73	61	—
	Lorient	29.91	73	NW	2	bc	29.96	+.14	66	65	−2	SSW	2	c	2	bc	*	81	54	—
	Rochefort	29.89	72	NW	3	b	29.99	+.15	69	66	−3	NNE	2	c	*	b, tlr	*	84	66	0.08
	Belfort	29.90	77	E	3	o	29.96	−.01	72	63	+6	W	3	b	*	o	*	92	61	—
	Lyons	29.91	?	S	2	b	30.00	+.01	73	65	+1	SSE	2	b	*	b.l	*	91	53	—
	Nice	30.04	88	NE	2	b	29.94	−.07	70	66	−7	NNE	3	o	0	b	*	96	65	0.24
	Perpignan	29.89	78	E	3	bc	29.99	+.04	76	72	+2	2	0	o	*	b, bc	*	88	68	—
	Biarritz	29.99	74	NW	2	bc	29.98	+.14	70	65	−2	2	0	b	1	bc	*	77	64	0.95
SPAN. PEN.	Corunna	29.93	70	WNW	3	f	?	?	67	64	−1	?	?	f	2	f	*	75	61	—
	Lisbon	30.08	68	NNW	4	b	30.12	+.11	68	62	−1	NNW	4	bc	*	b	*	79	64	—
	Azores (P. Delgada)	30.07	72	SSW	4	c	30.06	−.04	73	71	+2	W	4	bc	2	c	*	77	70	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 3·0 *hrs.*

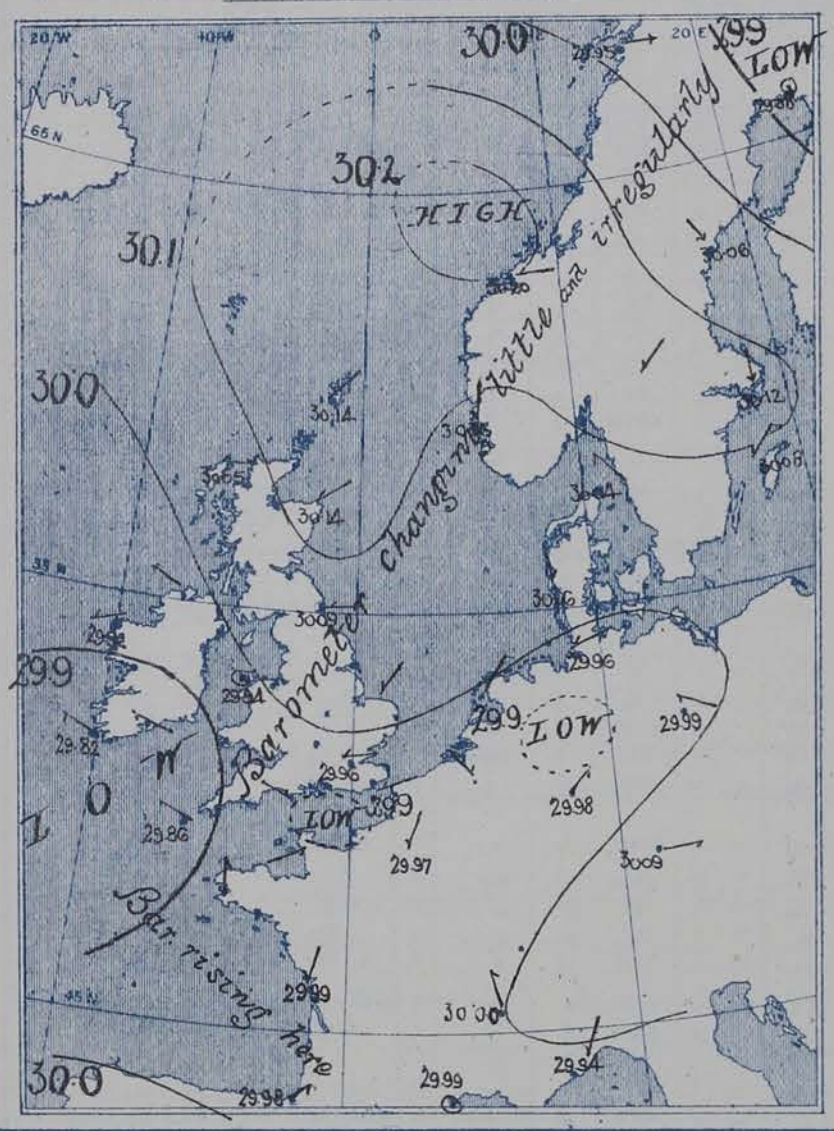
WEATHER CHARTS

FOR Sunday, 6th August, 1899.

BAROMETER, WIND AND SEA.

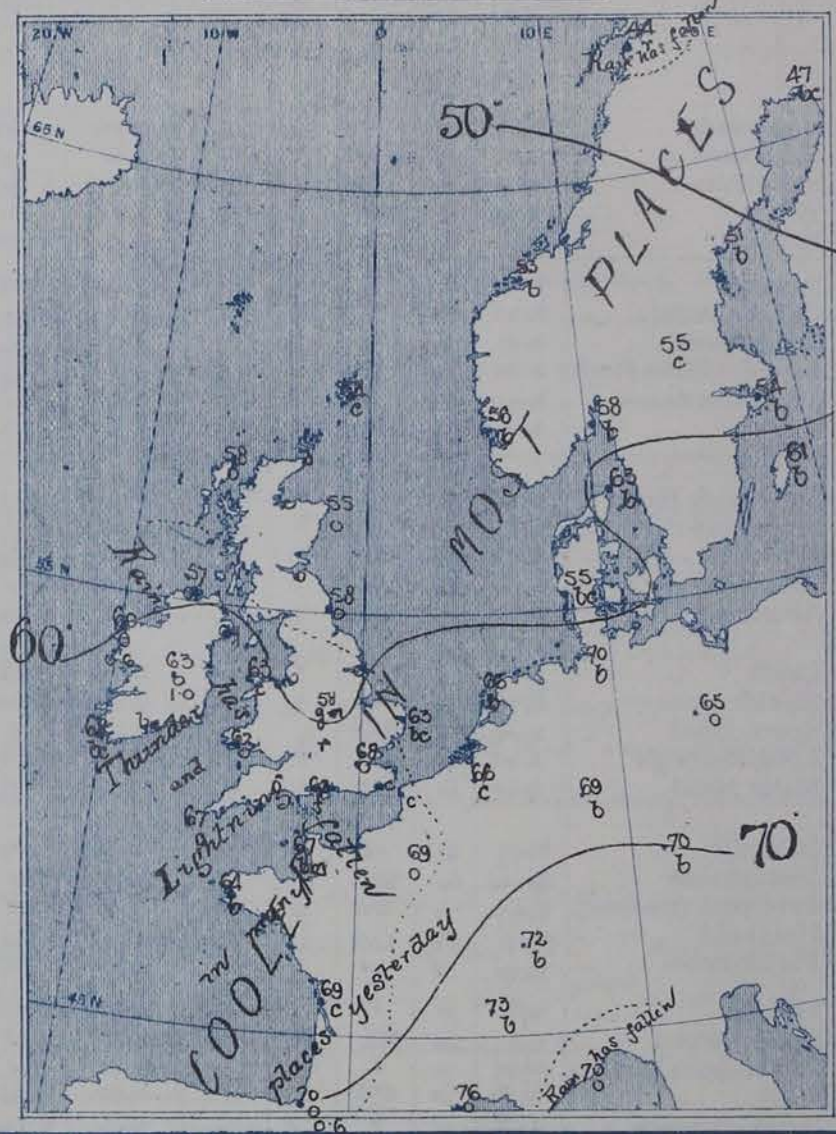
BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ➛ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ➛ : *Force 1 to 4* ⟶ :
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR, 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 · 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 · 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 . 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 830	56 · 1	53 · 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 · 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 · 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·20 in: at Christiansund, and exceeding 30·1 in: over the south of Scandinavia and the north east of Scotland.
Lowest, 29·9 in: and less, (1) over the east of Lapland and the north east of Finland, (2) off and over the southwestern parts of our Islands; (3) Below 30·0 in: over France, the Netherlands and northwest of Germany.
Gradients slight and irregular.
Barometer rising over the Bay of Biscay, changing slightly and irregularly elsewhere.

TEMPERATURE

Highest, 76° to 70° in the south of France and South Germany, 69° at Paris, 68° in London and at Valencia, 66° at the Helder.
Lowest, 44° at Bodö, 47° at Haparanda, below 60° all over Scandinavia, Scotland, and the north of Ireland.
The maximum temperatures recorded yesterday were 70° at Parsonstown, 75° at Loughborough, 82° at Jersey, 83° in London, but varied from 96° to 90° in many parts of France.

WIND

NE⁵ to E¹ and light over the greater part of the Kingdom, E¹ and Variable in the south, very variable over France; no change of a decided character later.

WEATHER

Cloudy very generally, and very close in our Islands, rainy at Oxford, clear in Western Germany, but not settled.
Thunderstorms and rain had prevailed very generally last night over our western and southern counties and in France and the amounts of rain varied locally from a few hundredths of an inch in London to 0·96 in: at Parsonstown.
Bright Sunshine recorded yesterday varied from 0·1 hr at Valencia to 8·2 hr in London — none at Aberdeen.

SEA

Moderate at Aberdeen, slight generally elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 7 AUGUST 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·10	61	55	N	6	b	2
Sumburgh Head	30·20	56	52	NE	1	o	3
Stornoway... ...	30·08	65	64	ESE	3	o	3
Aberdeen	30·18	59	55	SE	2	o	2
Shields	30·14	59	57	E	2	o	2
Malin Head ...	30·00	63	61	ESE	4	m	3
Belmullet	29·94	65	63	E	1	r	*
Holyhead	29·97	66	64	E	1	rmt	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29·83	69	64	ESE	4	b	4
Scilly	? 29·74	70	67	ESE	4	o	1
Jersey	29·90	81	71	E	1	og	1
Portland Bill ...	29·89	72	68	E	5	c	3
Dungeness ...	29·92	72	57	ENE	5	bc	5
London (Westminster)	29·96	78	69	E	3	b	*
Yarmouth ...	30·04	66	62	NE	4	b	4
Rochefort ...	29·90	78	72	NW	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning still fine over the greater part of the Continent and the east and southeast of England, dull over Scotland, unsettled at our western stations, changeable over Brittany. The rain and thunder continuing later over Ireland, and spreading to our western and southern counties; – amounts of fall very variable.

Temperature in morning 77° to 70° over France as a whole, 70° to 65° over Germany, 68° to 60° over England and Ireland, 66° to 60° over the southern part of Scandinavia. Lowest 49° at Bodö, 52° at Kuopio and Moscow, 55° at Sumburgh Hd, 58° at Stornoway, Aberdeen, Donaghadee, and Shields. Rising later to 83° in London, 86° at Berlin, 70° at Brussels, 96° at Paris and Nice; not exceeding 79° at Lisbon.

Winds (1) E over England and Ireland, decreasing in force; SE in Scotland, S over the Bay of Biscay; (2) very variable over the Continent as a whole. Becoming variable for a time later over France, and the south and west of the British Isles.

Barometer in morning. Highest, exceeding 30·1 ins: over the east of Scotland, the west of Norway and the intermediate parts of the North Sea; (2) over Central Russia. Lowest below 30·0 ins: (1) over Lapland and Kola Peninsula, (2) over Turkey and the Black Sea; (3) below 29·8 ins: off our southwest coasts. Other secondary disturbances developing over France later, and advancing to the south of England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Monday, 7th August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda	29.81	45	W	0	b	29.80	-.08	52	47	+5	NNE	2	b	*	b	*	55	43	0.08
	Hernösand	29.94	48	W	0	c	29.90	-.16	49	43	-2	N	4	b	*	c	*	59	41	–
	Stockholm	30.03	54	ESE	2	b	29.95	-.17	53	48	-1	N	2	o	*	b	*	64	46	–
	Wisby	30.03	56	SSE	4	c	29.93	-.15	59	53	-2	S	4	o	*	c	*	66	52	–
	Karlstad	29.97	62	SW	2	b	29.97	-.19	53	48	-2	N	2	o	*	b	*	*	*	–
	Bodö	30.06	48	NNW	2	bc	29.99	+.04	49	46	+5	W	4	o	2	bc	*	52	41	0.08
	Christiansund ...	30.12	50	NNE	5	r	30.14	-.06	49	47	-4	WNW	3	r	?	r	*	55	45	0.08
	Skudesnaes ...	30.03	58	NW	2	b	29.99	-.07	53	50	-3	NNW	6	b	2	b	*	64	50	*
	Færder (X'tiania Fjord)	29.97	65	N	1	b	29.95	-.17	58	51	0	NE	5	o	2	b	*	65	57	–
	The Scaw (Skagen)	29.95	66	E	2	b	29.90	-.14	63	57	0	NNE	1	b	0	b	*	79	54	–
	Fanö	29.97	57	NW	2	b	29.94	-.12	60	58	+5	NNE	2	bc	*	b	*	75	55	–
BRITISH ISLANDS	Sumburgh Head ...	30.13	55	NE	4	b	30.18	+.04	52	49	-2	NE	3	o	4	b	*	58	48	–
	Stornoway	30.04	60	ESE	4	b	30.09	+.04	57	54	-1	ESE	3	b	3	b	11.8	67	48	–
	Wick	30.13	55	N	2	c	30.17	+.02	55	51	+1	E	3	c	2	c	*	58	50	–
	Nairn	30.08	57	E	3	c	30.15	+.06	56	52	-2	E	3	c	2	c	*	62	49	–
	Aberdeen	30.12	54	ENE	2	og	30.15	+.01	59	54	+4	NE	3	bc	2	og	0.0	59	49	–
	Leith	30.07	57	E	2	o	30.09	.00	55	54	-3	ENE	2	o	*	o	*	59	53	0.11
	Shields	30.05	58	E	2	o	30.07	-.02	56	56	-2	N	3	o	3	o.r	*	60	54	0.10
	Spurn Head ...	30.03	60	ENE	4	c	30.04	.00	60	57	-1	NNE	2	o	2	c.p	*	64	54	0.04
	Loughborough ...	30.00	67	NE	2	c	30.05	+.02	58	56	0	NE	2	ogm	*	gmp.c.o	*	67	56	0.01
	Malin Head ...	29.95	57	SE	5	o	30.01	+.05	56	55	-1	SE	5	og	3	r.lo	*	59	56	0.03
	Belmullet	29.94	65	ENE	3	bc	29.98	+.06	64	62	+4	E	1	b	*	l.b.bc	*	66	59	–
	Donaghadee ...	30.02	58	ESE	3	gr	30.00	.00	56	55	-6	NE	3	og	3	rg	*	62	55	0.02
	Liverpool (Bidston)	29.98	63	E	2	c	30.02	+.01	59	56	+2	ESE	2	o	?	op.c	*	64	56	0.06
	Holyhead	29.97	64	NW	1	cpt	29.97	+.03	65	63	+2	SW	1	cm	0	ctp	*	67	59	0.02
	Parsonstown ...	29.88	72	SE	1	c	29.97	+.08	61	59	-2	E	1	o	*	c	7.4	75	56	–
	Valencia	29.80	68	ESE	4	c	29.88	+.06	68	62	0	ESE	3	bc	3	c	7.0	72	60	0.05
	Roche's Point ...	29.90	66	SE	4	bc	29.92	+.03	66	64	-1	SE	4	c	4	bt.lp	*	70	61	0.75
	Pembroke (St. Ann's Hd.)	29.93	68	S	2	bc	29.96	+.06	65	63	+3	SSE	3	b	2	bc	7.8	68	60	–
	Scilly	29.89	69	SE	3	c	29.89	+.03	66	65	-1	SE	3	cw	0	c	11.2	72	64	–
	Jersey (St. Aubin's) ...	29.96	73	SE	2	cg	29.97	+.01	69	64	+2	SW	2	bmw	2	c.cg	*	75	60	–
	Portland Bill ...	29.98	66	SSW	1	c	29.98	+.05	66	64	+4	E	3	c	2	c	*	69	58	–
	Dungeness	29.97	69	S	1	bc	30.01	+.06	65	62	-2	NNE	2	c	1	r.bc	*	73	58	0.06
	London (Brixton) ...	29.97	72	E	1	bc	30.02	+.06	63	61	-5	NE	1	o	*	or.bc.b	1.1	76	61	0.04
	Oxford	29.95	70	E	2	bc	30.00	+.03	63	62	0	NE	1	og	*	op.bc	*	74	57	–
	Yarmouth	30.01	65	NE	3	c	30.00	-.01	63	59	0	NNE	2	bc	3	c	*	67	58	–
GERMANY	Cuxhaven	29.92	72	N	3	b	29.90	-.06	63	59	-7	NNW	4	c	*	b	*	73	61	–
	Berlin	29.91	75	SE	1	b	29.84	-.15	70	63	+5	SW	1	b	*	b	*	81	65	–
	Wiesbaden	*	*	*	*	*	29.93	-.05	68	65	-1	NE	1	b	*	*	*	88	61	1.54
	Munich	30.06	69	SE	1	c	30.04	-.05	71	64	+1	W	3	b	*	c	*	84	61	–
FRANCE & NETHERLANDS	The Helder ...																*			
	Brussels	*	*	*	*	*	29.97	-.02	64	64	-2	W	0	f	*	c	*	81	62	0.43
	C. Gris Nez ...	30.00	68	E	1	bc	29.99	+.04	63	62	-4	E	2	o	2	bc	*	73	59	0.04
	Paris	29.97	77	N	2	bc	29.97	.00	65	63	-4	ENE	1	o	*	bc	*	80	62	0.20
	Brest	29.97	68	S	1	bc	29.94	+.01	64	63	0	ESE	1	c	1	bc	*	73	59	–
	Lorient	29.99	70	SW	4	c	29.98	+.02	66	64	0	W	0	c	0	f	*	77	63	0.16
	Rochefort	29.99	72	NW	3	c	30.00	+.01	66	64	-3	NE	1	c	*	c	*	75	66	–
	Belfort	29.97	71	W	3	c	29.95	-.01	66	65	-6	W	3	c	*	c	*	88	60	–
	Lyons	29.94	78	W	1	o	29.97	+.07	70	61	-3	SSW	1	b	*	l.o	*	90	64	–
	Nice	30.01	73	SW	4	bc	30.00	+.06	73	63	+3	E	1	bc	1	bc	*	84	64	–
	Perpignan	29.97	75	NE	2	t	29.99	.00	73	68	-3	NW	2	o	*	t	*	85	68	0.04
	Biarritz	29.99	74	NW	2	bc	29.98	.00	66	65	-4	W	0	t	1	bc	*	77	64	0.95
SPAN. PEN.	Corunna																*			
	Lisbon	30.11	67	NNW	4	b	30.11	-.01	69	63	+1	N	4	bc	*	b	*	77	64	–
	Azores (P. Delgada)	30.08	73	SSW	4	c	30.06	.00	74	72	+1	W	3	c	3	c	*	79	70	–

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0.2 hrs.

WEATHER CHARTS

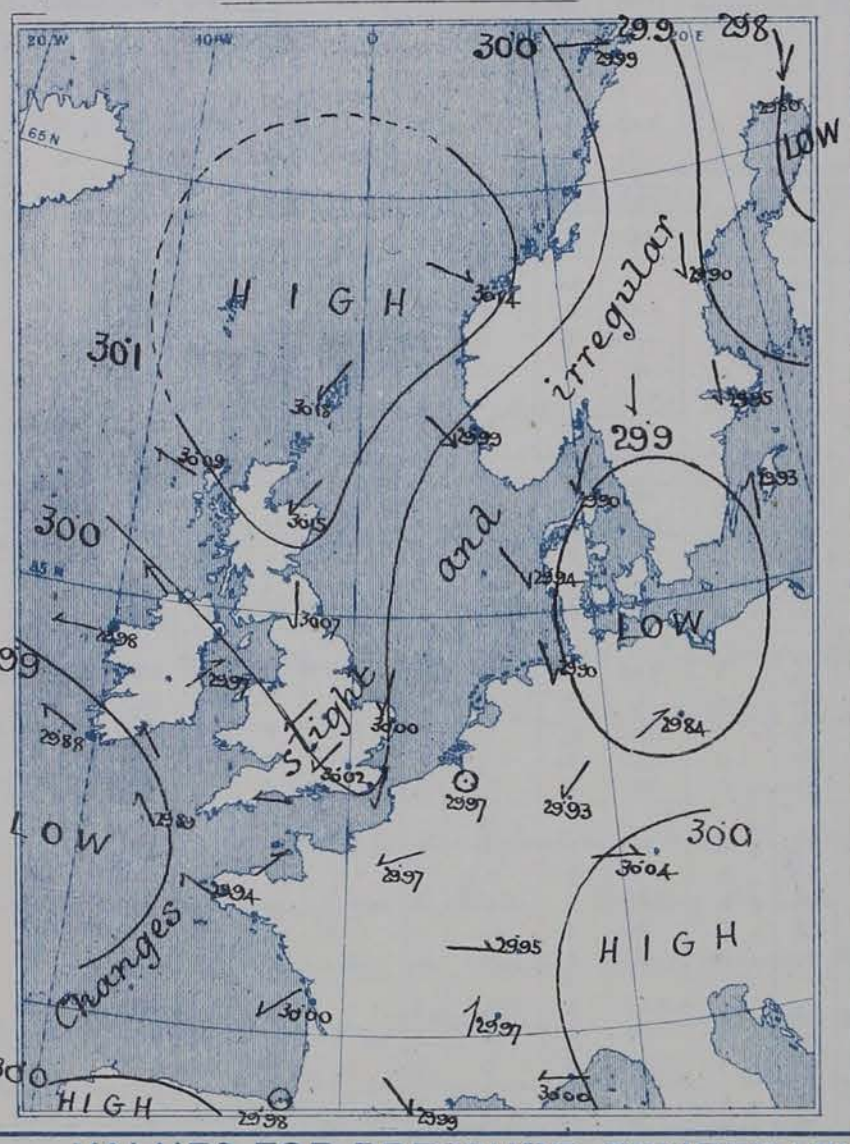
FOR Monday, 7th August, 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

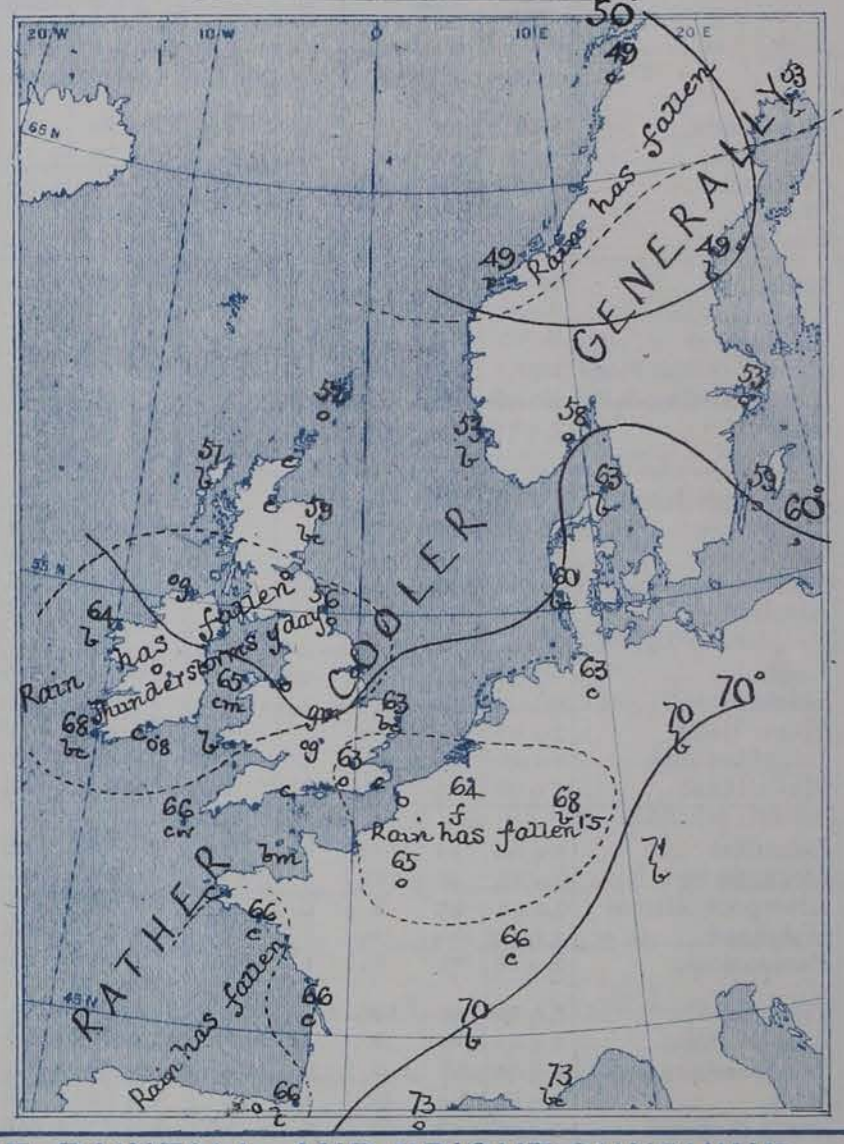
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR, 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29.923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	*77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 ins. and more to 30·0 ins. in an anticyclonic system covering Norway, Scotland, and Norway.
Lowest, 29·9 ins. and less, over North Germany and the western parts of the Baltic; (2) over the southwest of Ireland and neighbourhood.
The changes in progress are very slight and irregular.

TEMPERATURE

Highest, 73° to 70° in the south of France, 69° at Jersey, 68° at Valencia, 65° at Holyhead, 63° in London.
Lowest, 49° in the northwest of Norway and at Hernösand, 53° at Haparanda, 52° at Sumburgh Head and 55° to 59° at the Scotch stations and in the north of Ireland.
The maxima recorded yesterday were all below 80° in our Islands, and below 60° in the north of Scotland. On the Continent they were as high as 80° at Paris, 81° at Brussels and Berlin, 88° at Wiesbaden and Belfort, 90° at Lyons.

WIND

Light generally; (1) N. to NE. over Denmark and all the shores of the North Sea; (2) E. in Scotland; (3) SE. in Ireland; (4) Very variable over France.

WEATHER

Fair and close as a whole; cloudy in many places, raining at Christiansund.
Thunder and lightning have occurred at many of our western stations, rain in the west and over France and W. Germany.
Bright Sunshine recorded yesterday amounted to nearly 12 hrs at Stornoway & Scilly, to about 7 hrs on our western coasts, but was slighter elsewhere – only 1·1 hrs in London.

SEA

Moderate at Rockabill and Sumburgh Hd, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather is still in an unsettled state in Ireland, England and France, though temporarily fair in most places.

FORECASTS

For the 24 hours ending at NOON on 8th AUGUST, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Variable NE. airs; fine generally.
1 SCOTLAND EAST	
2 ENGLAND N.E.	NE. and Variable airs; changeable weather, close, thunder in places.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos 0 and 1.
7 ENGLAND N.W.	Variable airs; fair generally, close.
8 ENGLAND S.W.	SE. and Variable airs and Calms; dull, close.
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes	30·08	64	62	W	2	b	1
Sumburgh Head							
Stornoway	30·05	66	64	ESE	3	b	3
Aberdeen							
Shields							
Malin Head	29·94	56	55	SE	5	o	3
Belmullet	29·91	66	63	ESE	3	b	*
Holyhead							*

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30·01	72	67	SSW	3	c	3
Portland Bill							
Dungeness	29·95	68	67	NNW	2	r	2
London (Westminster)							
Yarmouth							*
Rochefort	30·00	73	68	NW	3	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 30TH JULY TO THE 5TH AUG:

At the beginning of this week barometric pressure was highest over the British Islands, lowest over the extreme north of Europe, the readings varying from 30·48 ins. at Loughborough (England) to 29·6 ins. and less, over Eastern Lapland and the Kola Peninsula. The weather in our Islands was fine and temperature high. During the first day or two the anticyclone moved eastwards to North Germany and the southern parts of the North Sea, while depressions alternately passed away and reappeared in the far north keeping the weather changeable and showery in those districts, while it was fine over western and central Europe.

On Wednesday a new anticyclonic system was formed over Scotland, joined the old system, and remained comparatively stationary. In the mean time depressions began to appear over the Bay of Biscay and our southwestern coasts, causing showery thundery weather in those regions and a great increase of E? wind over the Channel and our southern counties.

These thunderstorms depressions subsequently spread to our southern and southeastern counties, rain fell more generally except in the north the air became close over England, and on Saturday the maximum daily temperature rose to 83° in London and to between 86° and 90° over France and Germany.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 8th August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine	Temp. Max	Temp. Min	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda	29.80	51	2	0	bc	29.86	+ .06	51	47	− 1	NNW	4	c	*	bc	*	57	36	—
	Hernösand	29.96	50	2	0	b	29.99	+ .09	53	47	+ 4	NW	4	b	*	b	*	66	41	—
	Stockholm	30.00	51	N	2	b	30.05	+ .10	56	49	+ 3	2	0	b	*	b	*	61	48	—
	Wisby	29.93	49	E	4	b	30.06	+ .13	55	49	− 4	NNE	4	b	*	b	*	63	46	0.43
	Karlstad	30.02	57	NNE	2	b	30.12	+ .15	54	49	+ 1	NNE	2	0	*	b	*	*	*	—
	Bodö	30.08	49	WNW	2	0	30.13	+ .14	49	44	0	W	4	bc	2	0	*	54	43	0.08
	Christiansund ...	30.21	52	NNW	2	0	30.24	+ .10	52	46	+ 3	NE	2	bc	2	0	*	54	46	0.08
	Skudesnaes ...	30.03	59	2	0	b	30.15	+ .16	55	54	+ 2	S	1	b	1	b	*	61	53	*
	Færder (X'iania Fjord)	30.03	65	NNE	4	b	30.14	+ .19	57	51	− 1	NNE	4	b	2	b	*	66	55	—
	The Scaw (Skagen)	30.04	64	NE	2	b	30.12	+ .22	62	55	− 1	ESE	1	b	0	b	*	68	52	—
	Fanö	29.99	63	E	4	bc	30.07	+ .13	60	56	0	ENE	4	b	*	bc	*	70	55	—
BRITISH ISLANDS	Sumburgh Head ...	30.20	53	NE	3	0	30.22	+ .04	52	48	0	NE	3	0	5	0	*	57	50	—
	Stornoway	30.13	63	E	4	b	30.17	+ .08	56	53	− 1	ESE	3	c	3	b	14.1	67	45	—
	Wick	30.20	54	E	2	c	30.21	+ .04	54	51	− 1	E	1	0	2	c	*	58	50	—
	Nairn	30.19	55	E	2	b	30.21	+ .06	55	52	− 1	E	1	0	1	b	*	61	48	—
	Aberdeen	30.19	54	ENE	3	c	30.20	+ .05	55	50	− 4	NNE	3	0g	3	bg, c	9.3	61	51	—
	Leith	30.16	56	ENE	2	0	30.17	+ .08	55	51	0	NE	2	0	*	0	*	59	51	0.01
	Shields	30.10	59	NNE	2	c	30.14	+ .07	56	53	0	NNE	2	0	3	c	*	62	54	—
	Spurn Head ...	30.04	60	NNE	4	0	30.07	+ .03	60	56	0	N	4	bc	4	0	*	66	57	—
	Loughborough ...	30.03	67	NE	1	c	30.08	+ .03	58	55	0	NE	2	c	*	0, c	*	70	55	—
	Malin Head ...	30.04	59	SE	5	0	30.10	+ .09	56	54	0	ESE	5	cm	3	0	*	60	55	—
	Belmullet	29.99	70	E	2	c	30.06	+ .08	63	60	− 1	ESE	3	0	*	c	*	71	58	—
	Donaghadee ...	30.06	60	N	3	0	30.13	+ .13	55	53	− 1	E	5	cg	5	ow	*	60	54	—
	Liverpool (Bidston)	30.01	66	E	3	c	30.09	+ .07	59	54	0	ENE	2	bc	?	cm	*	69	55	—
	Holyhead	29.99	67	ENE	2	c	30.05	+ .08	60	57	− 5	ENE	3	cm	2	cmp, c	*	67	57	0.04
	Parsonstown ...	29.98	64	E	1	r	30.03	+ .06	60	59	− 1	SE	1	0	*	tlr	3.5	71	57	1.65
	Valencia	29.92	68	NW	1	bcw	29.97	+ .09	66	62	− 2	ENE	3	bw	3	cm, bcw	10.2	75	59	0.02
	Roche's Point ...	29.96	67	ESE	4	bc	29.98	+ .06	66	63	0	E	4	bcw	4	bc	*	70	60	—
	Pembroke (St. Ann's Hd.)	29.95	72	E	3	c	30.01	+ .05	60	60	− 5	SE	4	r	4	c, tlr	11.1	72	60	0.32
	Scilly	29.91	67	ESE	3	c	29.92	+ .03	67	65	+ 1	ESE	2	c	0	c, p, t	6.0	70	64	—
	Jersey (St. Aubin's) ...	29.94	73	ENE	2	c	29.95	− .02	65	64	− 4	ENE	3	ow	3	bc, cg, t	*	75	61	—
	Portland Bill ...	29.98	66	ESE	3	bc	30.00	+ .02	61	59	− 5	NE	3	0	3	c, bc	*	70	56	0.39
	Dungeness	29.97	64	ENE	4	c	29.95	− .06	64	61	− 1	ENE	5	c	3	c	*	67	60	—
	London (Brixton) ...	29.99	70	E	1	c	30.01	− .01	63	59	0	NE	1	0	*	0, c	1.0	73	58	—
	Oxford	30.02	64	NE	2	0	30.03	+ .03	60	57	− 3	NE	3	0	*	0, tlr	*	73	56	0.49
	Yarmouth	30.00	64	NNE	3	c	30.00	.00	62	58	− 1	NNE	4	c	4	bc, c	*	66	58	0.04
GERMANY	Cuxhaven	29.96	72	N	4	c	29.93	+ .03	63	59	0	E	4	c	*	c	*	73	59	—
	Berlin	29.85	73	NW	2	b	30.01	+ .17	62	56	− 8	E	4	b	*	b	*	84	60	—
	Wiesbaden	*	*	*	*	*	29.86	− .07	67	64	− 1	E	1	0	*	*	*	82	63	—
	Munich	?	68	SW	5	bc	29.91	− .13	65	63	− 6	W	1	c	*	bc	*	84	57	0.04
FRANCE & NETHERLANDS	The Helder ...	29.96	63	NNE	2	0	29.99		64	60		NNE	1	c	1	0	*	68	61	—
	Brussels	*	*	*	*	*									*		*			
	C. Gris Nez ...	29.99	62	E	3	c	29.97	− .02	64	60	+ 1	ESE	2	c	1	c	*	66	57	—
	Paris	29.93	73	N	1	bc	29.91	− .06	61	59	− 4	NE	1	0	*	bc	*	77	61	—
	Brest	29.93	69	S	1	b	29.95	+ .01	62	61	− 2	E	1	m	1	b	*	73	57	—
SPAIN. PORTUGAL	Lorient	29.95	73	W	2	c	29.94	− .04	66	64	0	E	1	c	2	c	*	88	63	0.08
	Rochefort	29.96	72	WNW	3	bc	29.96	− .04	71	66	+ 5	W	2	b	*	bc	*	79	64	—
	Belfort	29.85	75	W	2	0	29.84	− .11	63	62	− 3	W	2	r	*	0	*	81	60	0.47
	Lyons	29.95	69	W	1	r	29.95	− .02	67	61	− 3	SW	1	c	*	r	*	86	61	0.67
	Nice																*			
	Perpignan														*		*			
	Biarritz	29.95	73	N	3	0	29.97	− .01	64	62	− 2	S	3	tlr	1	0	*	75	61	0.43
	Corunna																*			
	Lisbon	30.08	68	WNW	3	b	30.05	− .06	69	66	0	SSW	4	0	*	b	*	77	66	—
	Azores (P. Delgada)	30.07	73	SW	2	bc	30.02	− .04	73	72	− 1	SW	4	0	3	bc	*	79	70	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0·3 *hrs.*

WEATHER CHARTS

FOR Tuesday, 8th August, 1899.

BAROMETER, WIND AND SEA.

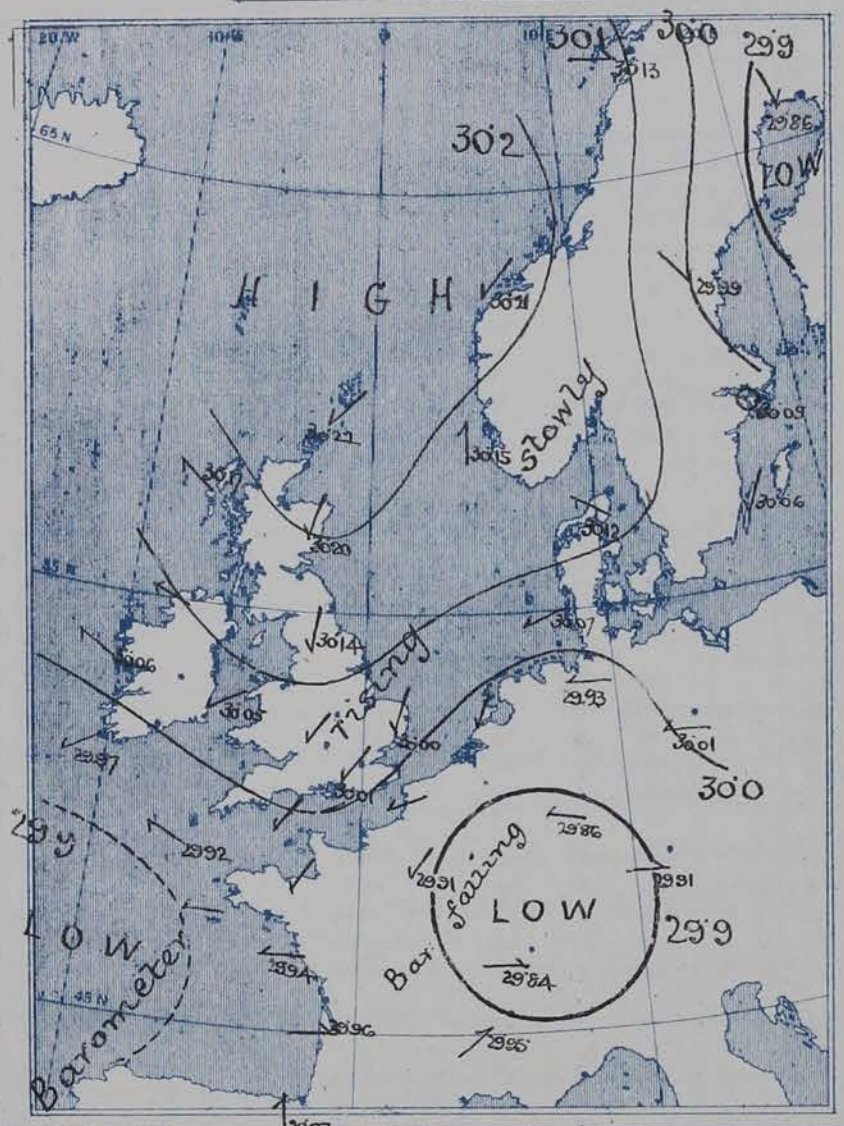
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

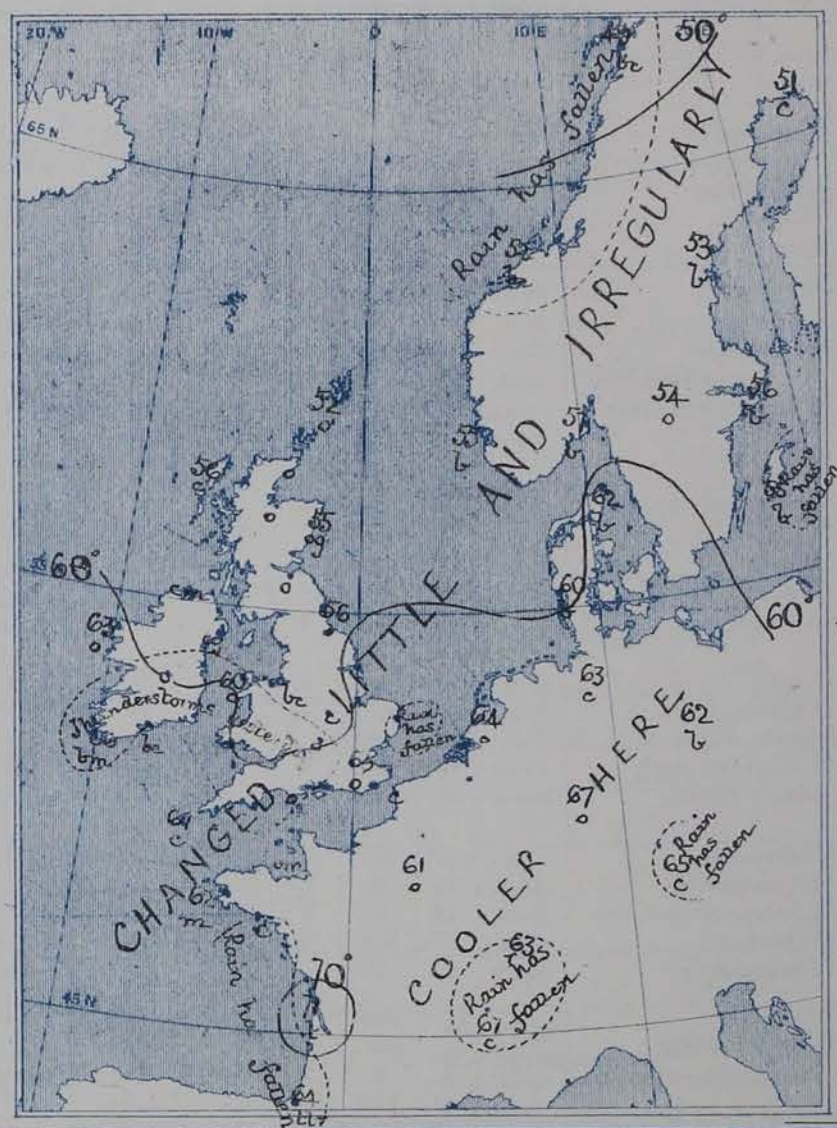


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29·923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and more to 30.1 ins. over the N.rn parts of our area.
Lowest 29.9 ins. and less in a shallow depression over France.
Gradients slight.
Barometer rising slightly in our Islands, falling slightly over France.

TEMPERATURE

Highest 67° to 62° at the French stations, 67° to 60° in the S. of England.
Lowest 49° at Bodo, 52° at Sumburgh Hd., 54° to 56° over Scotland and the N. of Ireland.
The maxima recorded over England yesterday were 73° in London and at Oxford, on the Continent they were 84° at Berlin and Munich, 77° at Paris, 86° at Lyons, 88° at Lorient.

WIND

Light to moderate generally - NE.ly over the eastern parts of our area, E.ly in the west.
A W.ly breeze prevailed over the southern parts of France.

WEATHER

Fair generally over our Islands, but a great deal of cloud prevailed in most places, rain and thunderstorms in the SW. and S of France.
Thunder and lightning have again been very prevalent over our W.rn and SW.rn districts, and at Parsonstown the rainfall has been 1.65 ins. Rain has fallen in the S. of Scandinavia.
Bright Sunshine recorded yesterday amounted to 14 hrs at Stornoway, 11 hrs at Pembroke also.
Elsewhere the amount was smaller, and varied greatly in different localities.

SEA

Rather rough, or moderate at many NW.rn and SW.rn stations, slight in the SE

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fair weather is still probable in Gt. Britain, unsettled in France.

FORECASTS

For the 24 hours ending at NOON on 9TH AUGUST 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	E.ly winds, light; fair generally.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	E.ly or NE.ly winds, light or moderate; fair generally.
6 SCOTLAND WEST 7 ENGLAND N.W.	E.ly and SE.ly winds, moderate; fair but cloudy.
8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	E.ly and SE.ly winds, light; fair generally, some mist.
WARNINGS	None issued.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·01	61	53	N	6	b	2
Sumburgh Head	30·20	56	51	NE	3	b	5
Stornoway... ...	30·11	67	65	ESE	4	b	4
Aberdeen	30·18	58	53	E	4	bq	4
Shields	30·10	61	59	NNE	2	c	2
Malin Head ...	30·03	59	56	SE	5	o	3
Belmullet	29·99	70	65	E	2	c	*
Holyhead	30·00	66	64	Z	0	cmp	0

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29·91	67	64	W	2	cm	3
Scilly	29·90	68	64	ESE	3	c	0
Jersey	29·99	74	68	SE	2	bc	2
Portland Bill ...	29·98	69	66	SE	3	c	2
Dungeness ...	30·01	66	63	ENE	4	c	3
London (Westminster)	30·01	69	62	E	2	c	*
Yarmouth ...	30·02	65	59	NNE	3	bc	3
Rochefort ...	30·00	76	70	W	2	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Continental information will be issued tomorrow.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 9th August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda	29.88	51	L	0	c	29.76	-.10	52	47	+1	NNW	2	c	*	c	*	61	48	-
	Hernösand	30.00	57	NW	2	b	29.99	.00	51	45	-2	NW	6	b	*	b	*	66	43	-
	Stockholm	30.06	58	L	0	o	30.05	.00	60	52	+4	NNW	2	b	*	o	*	63	43	-
	Wisby	30.09	54	NW	4	b	30.07	+.01	60	52	+5	NNW	4	o	*	b	*	61	45	-
	Karlstad	30.07	58	L	0	b	30.08	-.04	55	50	+1	NNE	2	b	*	b	*	*	*	-
	Bodö	30.06	48	W	6	r	29.87	-.26	46	44	-3	W	6	r	3	r	*	49	45	0.47
	Christiansund ...	30.19	53	NE	1	bc	30.12	-.12	53	48	+1	SW	1	o	1	bc	*	55	48	-
	Skudesnaes ...	30.15	58	L	0	b	30.14	-.01	56	53	+1	L	0	b	0	b	*	62	50	*
	Færder (X'iania Fjord)	30.09	63	SW	2	b	30.10	-.04	59	51	+2	NNE	4	b	2	b	*	66	57	-
	The Scaw (Skagen)	30.10	59	NNW	1	b	30.09	-.03	63	58	+1	WSW	1	b	0	b	*	73	52	-
	Fanö	30.07	64	E	3	b	30.11	+.04	59	53	-1	NE	2	b	*	b	*	79	50	-
BRITISH ISLANDS	Sumburgh Head ...	30.19	54	NE	3	c	30.20	-.02	52	50	0	NE	1	b	2	c	*	57	44	-
	Stornoway	30.16	61	E	4	b	30.18	+.01	58	56	+2	SSE	3	bc	3	bc.b	12.7	64	43	-
	Wick	30.21	56	E	2	o	30.21	.00	56	52	+2	NE	1	o	1	o	*	58	49	-
	Nairn	30.19	57	E	3	c	30.23	+.02	54	49	-1	L	0	b	1	c	*	60	47	-
	Aberdeen	30.20	54	NE	3	og	30.23	+.03	54	49	-1	NW	2	og	2	c.og	0.1	58	50	-
	Leith	30.17	58	ENE	1	o	30.22	+.05	54	50	-1	NE	2	o	*	o	*	63	52	-
	Shields	30.13	58	NNE	3	o	30.15	+.01	56	56	0	NNE	3	d	3	o	*	61	53	0.02
	Spurn Head ...	30.07	61	N	4	b	30.12	+.05	62	60	+2	NNE	4	bw	4	b	*	64	56	-
	Loughborough ...	30.06	66	NE	4	bc	30.14	+.06	56	54	-2	NE	2	cmw	*	bc.cm.o	*	71	47	-
	Malin Head ...	30.11	59	E	4	b	30.17	+.07	58	54	+2	SE	2	b	2	b	*	60	56	-
	Belmullet	30.08	67	ENE	3	bc	30.15	+.09	60	56	-3	E	2	b	*	o.bc	*	69	53	-
	Donaghadee ...	30.11	61	N	2	b	30.19	+.06	56	54	+1	NNE	3	bw	3	b	*	62	53	-
	Liverpool (Bidston)	30.05	66	NE	2	b	30.15	+.06	55	51	-4	L	0	b	?	bm	*	67	50	-
	Holyhead	30.06	61	NE	3	bm	30.14	+.09	60	56	0	ENE	2	bcm	1	bc.bm	*	65	54	-
	Parsonstown ...	30.05	65	NE	1	o	30.14	+.1	56	54	-4	N	1	m	*	c.o	4.5	70	47	-
	Valencia	30.01	65	N	1	c	30.09	+.12	64	61	-2	E	1	bm	2	c.ltr.c	8.2	75	55	0.10
	Roche's Point ...	30.05	65	SE	5	c	30.09	+.11	64	61	-2	ESE	3	b	3	b	*	69	62	-
	Pembroke (St. Ann's Hd.)	30.01	63	NW	2	c	30.11	+.10	58	56	-2	E	3	c	3	c	2.3	65	57	0.01
	Scilly	29.99	65	E	3	c	30.04	+.12	66	63	-1	E	1	bcw	0	c	8.7	70	63	-
	Jersey (St. Aubin's) ...	29.97	69	NE	3	bc	30.05	+.10	65	61	0	NE	3	bcw	3	og.bcm	*	69	60	-
	Portland Bill ...	30.01	64	SSW	1	o	30.09	+.09	58	56	-3	ENE	4	c	3	o	*	68	53	-
	Dungeness	29.96	65	NE	4	c	30.03	+.08	65	62	+1	N	3	bc	2	c	*	71	54	-
	London (Brixton) ...	29.99	68	NE	3	o	30.08	+.07	60	57	-3	NNE	2	og	*	bc.o	6.5	77	57	-
	Oxford	30.04	62	NE	2	o	30.12	+.09	57	54	-3	NNE	2	o	*	c.o	*	73	51	-
	Yarmouth	29.99	64	N	4	c	30.06	+.06	65	61	+3	ENE	5	b	4	bc.c	*	65	60	-
GERMANY	Cuxhaven	30.00	68	ENE	4	c	30.04	+.11	61	55	-2	E	2	b	*	c	*	75	55	-
	Berlin	29.96	66	SE	1	c	29.97	-.04	61	54	-1	NE	1	b	*	c	*	73	57	-
	Wiesbaden	*	*	*	*	*	29.94	+.08	64	57	-3	N	1	c	*	*	*	70	59	0.35
	Munich	29.90	62	SW	1	o	29.90	-.01	61	59	-4	W	5	o	*	o	*	77	59	0.20
FRANCE & NETHERLANDS	The Helder ...	29.91	69	NE	2	bc	30.05	+.06	64	55	0	E	3	b	3	bc	*	70	61	-
	Brussels	*	*	*	*	*	30.01		64	62		L	0	bc	*	o	*	68	58	-
	C. Gris Nez ...	29.98	63	ENE	4	c	30.02	+.05	63	61	-1	N	3	bc	3	c	*	70	59	-
	Paris	29.92	63	ENE	1	b	30.03	+.12	62	60	+1	NE	1	b	*	b	*	73	60	-
	Brest	29.96	68	L	0	c	30.01	+.06	59	59	-3	E	2	m	2	c	*	72	55	-
	Lorient ...	29.95	72	NW	2	b	30.03	+.09	61	61	-5	E	3	c	2	b	*	81	61	-
	Rochefort	29.96	72	WNW	3	b	30.00	+.04	66	64	-5	SE	2	b	*	b	*	77	63	-
	Belfort	29.87	60	N	2	r	29.94	+.10	57	55	-6	W	4	o	*	r	*	75	55	0.39
	Lyons	29.96	64	N	1	t	30.01	+.06	65	60	-2	NE	1	o	*	t	*	77	60	-
	Nice	29.79	79	SSW	1	bc	29.80	-.06	72	59	+1	SW	2	b	2	bc	*	81	66	-
	Perpignan	29.95	70	L	0	o	29.99	+.04	68	64	-2	L	0	b	*	c	*	83	59	0.08
	Biarritz	29.94	73	N	3	bc	29.94	-.03	65	63	+1	E	2	o	2	bc	*	77	63	-
SPAN. PEN.	Corunna																*			
	Lisbon	30.03	69	WSW	4	r	30.03	-.02	69	67	0	WSW	2	c	*	r	*	73	68	0.04
	Azores (P. Delgada)	30.07	72	WNW	3	b	30.06	+.04	73	67	0	NNW	1	c	3	b	*	77	66	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 8.8 *hrs.*

WEATHER CHARTS

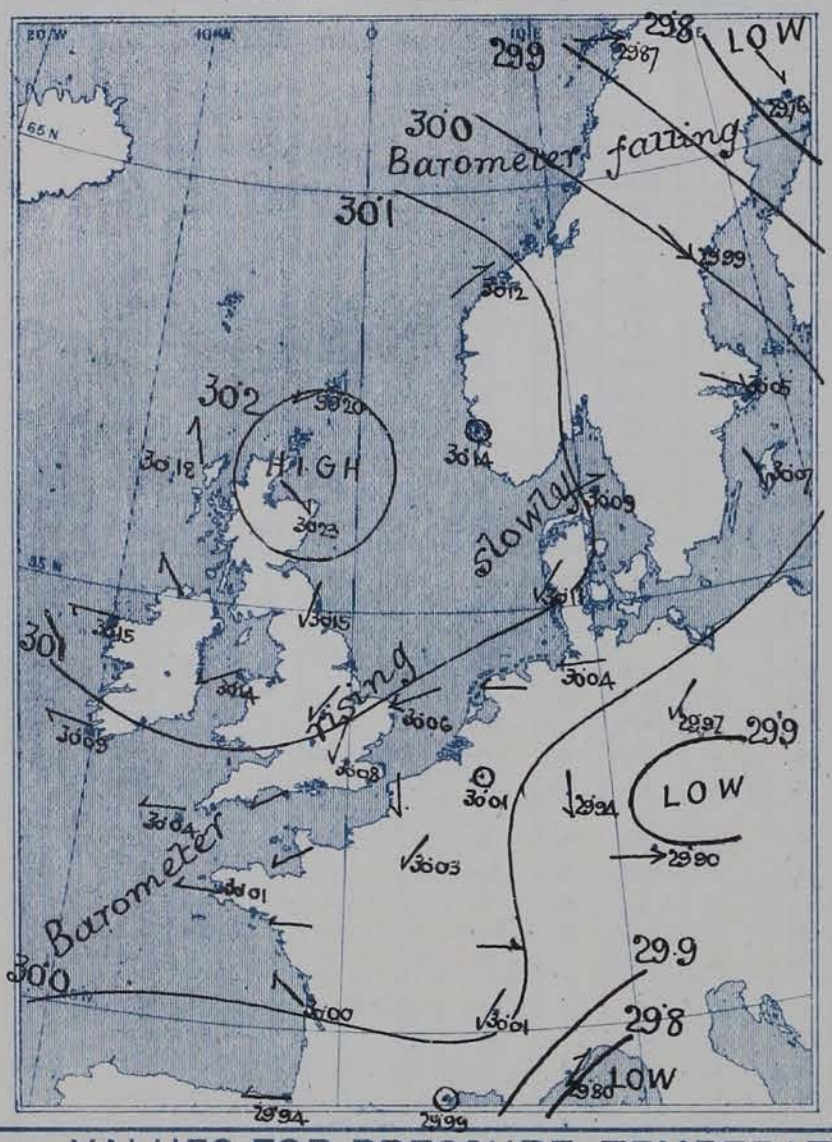
FOR Wednesday, 9th August, 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ➤ : *Force 5 to 7* ➤ : } Calm ⊙
Force 8 to 10 ➤ : *Force 1 to 4* ➤ :

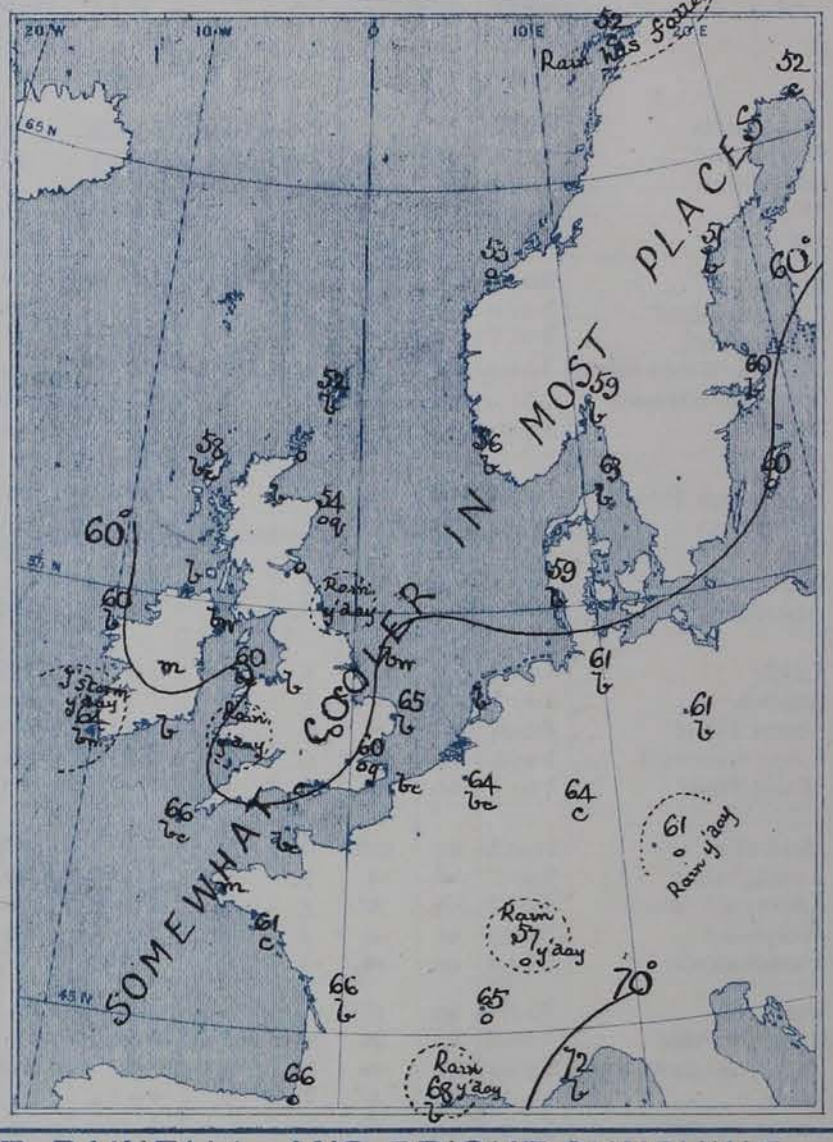
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29·923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 ins. and more over the east of Scotland and exceeding 30·1 ins. over the greater part of Ireland, England, the North Sea and Norway.
Lowest, (1) Below 29·8 ins. over the east of Lapland and over Finland; (2) 28·8 ins. at Nice, and below 29·9 ins. in the north and east of France.
Gradients slight.
Barometer falling over northern Europe, rising in our Islands.

TEMPERATURE

Highest, 72° at Nice, and above 60° over France and Germany, as well as at the extreme southern stations in England, at Valencia, and the Scaw.
Lowest, 46° at Bodö, 51° at Hernösand, 52° at Sumburgh Head, 54° at Aberdeen and 56° at Shields.
The maxima recorded yesterday were 79° at Paris, 73° at the Scaw, 70° to 73° in many parts of Ireland and England, 77° in London, 73° at Berlin and Paris, 81° at Lorient and Nice, 83° at Perpignan.

WIND

Nearly calm in Scotland, mainly NE and E over England and Ireland; W to NW strong over Lapland and Sweden, and likely to increase.

WEATHER

Fair over our Islands as a whole, but very cloudy at our northeastern and eastern stations, and slightly rainy at Shields; fine over France and Germany.
Hardly any rain has fallen in the British Isles, but more in the south and west of Germany, and some in the southeast of France.
Bright Sunshine exceeded 12½ hours at Stornoway yesterday, and was considerable elsewhere.

SEA

Moderate to smooth

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Winds from a northerly point are probable in the east, and less settled weather in the far east; fine weather, and bright, is probable in Ireland and the west.

FORECASTS

For the 24 hours ending at NOON on 10TH AUGUST. 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	Very light winds, and fair weather.	6 SCOTLAND WEST 7 ENGLAND N.W.	Same as Nos 0 and 1.
2 ENGLAND N.E.	NE and N winds; dull, fair generally, but slight rain in places.	8 ENGLAND S.W.	Same as No. 5.
3 ENGLAND EAST	Same as No 5.	9 IRELAND NORTH	E breezes, light; fair.
4 MIDLAND COUNTIES	Same as No 2.	10 IRELAND SOUTH	Same as No 5
5 ENGLAND SOUTH	NE winds, moderate; cloudy, fair.	WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·15	62	55	WSW	2	b	1
Sumburgh Head	30·21	56	52	NE	3	c	5
Stornoway... ...	30·17	62	61	ESE	3	bc	3
Aberdeen	30·20	58	53	NE	3	c	4
Shields	30·14	60	57	NNE	2	o	3
Malin Head ...	30·11	60	54	E	4	b	2
Belmullet	30·12	68	63	ESE	2	o	*
Holyhead	30·06	65	60	ENE	3	bc	2
Valencia	29·97	71	65	ESE	2	c	3
Scilly	29·95	68	64	E	4	c	1
Jersey	29·96	68	65	NE	3	o	3
Portland Bill ...	30·01	65	61	ESE	3	o	3
Dungeness ...	29·96	68	62	ENE	5	c	3
London (Westminster)	29·99	73	62	NE	2	bc	*
Yarmouth ...	30·01	65	60	N	4	bc	4
Rochefort ...	29·97	73	67	NSW	2	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair over our Islands, but very cloudy in many parts of Great Britain, gloomy at Aberdeen; unsettled with thunder and lightning in the southern parts of France, fair over Russia, Finland and Lapland. Slight rain later at a few of our stations, and considerable falls in South Germany and the southeast of France.

Temperature fallen decidedly over Germany and France, as well as at the Mediterranean stations. Morning readings above 80° at Greece and Brindisi, and above 70° over the Mediterranean; above 60° over France and Western Germany, and also over the southern parts of our Islands. Lowest 49° at Bodö, above 50° over the greater part of Scandinavia and Scotland, 56° at Malin Head and Shields. Rising later to 60° or more in several parts of Scotland, to 71° at Loughborough, 77° in London, 73° at Berlin and Paris, 83° at Perpignan.

Wind moderate to light, from NW. and W. over northern Europe, from NE. and E. over the North Sea and our Islands, but from the W. in the south of France and some parts of the Mediterranean and South Germany.

Barometer highest (1) 30·2 ins. and more to 30·1 ins. in an anticyclone covering Norway, the northern parts of our Islands and the intermediate parts of the North Sea; (2) 30·0 ins. and more over the southwestern parts of the Iberian Peninsula. Lowest (1) Below 29·5 ins. in the northeast of Russia; (2) 29·7 ins. to 29·8 ins. over the south of Russia; (3) about 29·8 ins. to 29·9 ins. in a shallow depression over the eastern parts of France: Little change in our Islands later.

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE 24 HOURS ENDING 8 AM AUG. 8TH.

Weather in morning fine over E. and central Europe, cloudy and close over our Islands, not at all settled in the W, thundery and changeable in various parts of France and Spain. Rain later over the S. parts of Scandinavia, thunderstorms in many parts of Ireland and the SW. and central parts of our Islands, and in the SW. and S. parts of France. Some rain in S. Germany also.

Temperature not changed much, but rising in Germany. Morning readings highest 82° at Trieste, 80° at Athens and La Calle, 70° and more over the Mediterranean generally, in the SE. of France and over SE. Europe. Lowest 49° in the NW. of Norway, and below 60° over N. Europe as a whole. Rising later to 73° in London and Oxford to 84° at Berlin and Munich to 86° at Lyons, and to 88° at Lorient, but only slightly exceeding 60° in Scotland and over Scandinavia.

Wind (1) E. to SE., and light at our Western stations, and N. at Lisbon, (2) W. in the northwest of Norway, N. and NW. over the North Sea, S. and variable over Germany; (3) very variable over the Mediterranean.

Barometer. Highest (1) 30·1 ins. and more to 30·0 ins. over the N. and NE. parts of our area; (2) above 30·0 ins. over the SE. of France, Italy, Sicily, Tunis and Algeria. Lowest (1) 29·6 ins. to 29·7 ins. over the N. of Russia; (2) below 29·9 ins. in a shallow disturbance over N. Germany and the S. of Scandinavia; (3) below 29·9 ins. off the SW. of Ireland and the N. parts of the Bay of Biscay. Rising later in our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 10th August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
Scandinavia	Haparanda	29.71	47	S	0	c	29.69	-.07	51	44	- 1	S	0	bc	*	c	*	59	39	-
	Hernösand	29.92	54	W	2	0	29.93	-.06	53	49	+ 2	W	2	b	*	0	*	61	43	-
	Stockholm	29.97	60	SSW	2	0	29.98	-.07	56	50	- 4	NE	2	0	*	0	*	70	52	-
	Wisby	30.02	54	W	4	b	29.99	-.08	62	59	+ 2	S	4	0	*	b	*	63	48	-
	Karlstad	29.98	63	WSW	2	c	29.98	-.10	60	52	+ 5	NE	2	0	*	c	*	*	*	-
	Bodö	29.84	49	W	4	c	29.84	-.03	49	44	+ 3	W	6	c	3	c	*	50	45	0.08
	Christiansund ...	30.06	51	SW	1	0	30.00	-.12	53	51	0	W	2	r	3	0	*	54	48	0.32
	Skudesnaes ...	30.12	55	NNW	6	b	30.17	+.03	55	51	- 1	N	4	c	2	b	*	59	50	*
	Færder (X'iania Fjord)	29.97	65	SW	4	c	29.99	-.11	64	64	+ 5	NE	2	c	2	c	*	66	59	-
	The Scaw (Skagen)	30.05	59	W	2	b	30.00	-.09	61	58	- 2	W	2	m	0	b	*	72	55	-
	Fanö	30.15	59	NNW	3	b	30.12	+.01	60	54	+ 1	NW	6	c	*	b	*	70	52	-
British Islands	Sumburgh Head ...	30.19	54	NW	2	bc	30.14	-.06	54	52	+ 2	WNW	3	0	3	c.bc	*	56	49	-
	Stornoway	30.19	65	NE	3	c	30.23	+.05	58	57	0	WNW	2	c	2	c	12.6	68	45	-
	Wick	30.20	55	S	1	bc	30.12	-.09	58	55	+ 2	NW	3	0	2	bc	*	61	51	-
	Nairn	30.19	62	E	1	b	30.23	-.00	59	55	+ 5	WNW	1	b	1	b	*	63	42	-
	Aberdeen	30.23	55	SE	2	b	30.23	.00	60	54	+ 6	W	2	bw	1	bc, b	6.7	60	39	-
	Leith	30.21	60	NE	1	b	30.20	+.02	56	54	+ 2	S	0	bm	*	b	*	64	48	-
	Shields	30.22	58	NE	3	bc	30.25	+.10	51	51	- 5	NW	1	m	2	d.c.bc	*	64	48	-
	Spurn Head ...	30.18	63	NE	3	b	30.24	+.12	64	60	+ 2	ENE	3	bw	3	b	*	68	57	-
	Loughborough ...	30.13	70	E	3	b	30.25	+.11	59	57	+ 3	NE	1	cmw	*	bc.bf.o	*	76	45	-
	Malin Head ...	30.20	59	E	3	b	30.23	+.06	60	58	+ 2	NE	1	b	0	b	*	60	55	-
	Belmullet	30.17	64	ENE	2	b	30.22	+.07	60	56	0	ENE	1	b	*	b	*	70	52	-
	Donaghadee ...	30.19	61	NNW	3	b	30.18	-.01	59	56	+ 3	N	3	b	4	b	*	62	53	-
	Liverpool (Bidston)	30.14	62	NW	1	b	30.23	+.08	58	54	+ 3	E	2	b	2	cm	*	66	52	-
	Holyhead	30.16	60	NNW	2	b	30.18	+.04	63	58	+ 3	S	0	b	0	b	*	63	53	-
	Parsonstown ...	30.13	69	SE	1	b	30.23	+.09	53	51	- 3	N	1	b	*	b	9.4	71	43	-
	Valencia	30.12	68	S	0	cm	30.18	+.09	64	62	0	S	0	bcm	2	bm.cm	10.7	70	55	-
	Roche's Point ...	30.19	65	ESE	5	bcm	30.20	+.11	61	57	- 3	NE	2	b	2	bc	*	70	55	-
	Pembroke (St. Anu's Hd.)	30.11	63	NNE	4	b	30.16	+.05	61	59	+ 3	E	3	bm	2	b	9.6	66	56	-
	Scilly	30.09	66	E	2	bc	30.09	+.05	66	63	0	ENE	3	bc	0	bc	11.7	70	61	-
	Jersey (St. Aubin's) ...	30.06	70	NNW	3	b	30.11	+.06	67	64	+ 2	ENE	3	bmw	3	b	*	71	60	-
	Portland Bill ...	30.10	63	W	1	c	30.16	+.07	62	58	+ 4	ENE	4	b	2	bc.c	*	68	52	-
	Dungeness	30.05	68	ENE	3	bc	30.15	+.12	68	65	+ 3	ENE	4	bc	3	b.bc	*	73	62	-
	London (Brixton) ...	30.09	70	NE	2	b	30.21	+.13	62	58	+ 2	E	2	b	*	bc	6.5	79	55	-
	Oxford	30.12	65	NE	3	b	30.23	+.11	55	55	- 2	NE	1	0	*	b	*	77	47	-
	Yarmouth	30.12	66	ENE	4	b	30.21	+.15	65	61	0	ENE	3	b	3	b	*	67	59	-
Germany	Cuxhaven	30.10	65	N	5	c	30.16	+.12	63	58	+ 2	NW	4	c	*	c	*	73	61	-
	Berlin	30.04	65	NNW	2	b	30.13	+.16	61	55	0	WSW	1	b	*	b	*	72	52	-
	Wiesbaden	*	*	*	*	*	30.18	+.24	62	57	- 2	NE	1	b	*	*	*	73	55	-
	Munich	30.10	57	W	5	0	30.20	+.30	54	53	- 7	S	0	c	*	0	*	61	52	0.83
France & Netherlands	The Helder ...	30.11	65	NE	2	b	30.18	+.13	66	60	+ 2	NE	1	b	0	b	*	68	61	-
	Brussels	*	*	*	*	*	30.17	+.16	66	58	+ 2	NE	1	b	*	b	*	75	49	-
	C. Gris Nez ...	30.07	66	E	2	bc	30.16	+.14	63	60	0	ESE	2	b	1	bc	*	73	57	-
	Paris	30.04	74	NE	1	b	30.14	+.11	60	58	- 2	NE	1	b	*	b	*	77	54	-
	Brest	30.02	72	NE	2	c	30.06	+.05	60	59	+ 1	NE	2	c	1	c	*	77	52	-
	Lorient	30.04	69	NW	3	bc	30.06	+.03	65	63	+ 4	E	5	0	5	bc	*	81	61	-
	Rochefort	29.98	72	NW	3	b	30.00	.00	69	65	+ 3	E	3	0	*	bc.b	*	79	64	-
	Belfort	30.03	61	NSW	2	r	30.13	+.19	54	54	- 3	ENE	2	f	*	r	*	82	50	-
	Lyons	30.02	68	N	1	b	30.08	+.07	60	58	- 5	NNW	2	b	*	b	*	75	55	0.04
	Nice	29.75	74	SE	5	b	29.86	+.06	71	62	- 1	SW	1	b	2	b	*	84	61	-
	Perpignan	29.95	78	SW	1	0	30.01	+.02	71	66	+ 3	S	0	b	*	0	*	83	61	-
	Biarritz	29.93	76	NNE	3	b	29.94	.00	68	62	+ 3	SE	2	b	2	b	*	84	64	-
Span. Pen.	Corunna																*			
	Lisbon														*		*			
	Azores (P. Delgada)	30.04	71	W	4	0	30.01	-.05	72	67	- 1	NNW	4	c	3	0	*	77	68	0.04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 10.3 *hrs.*

WEATHER CHARTS

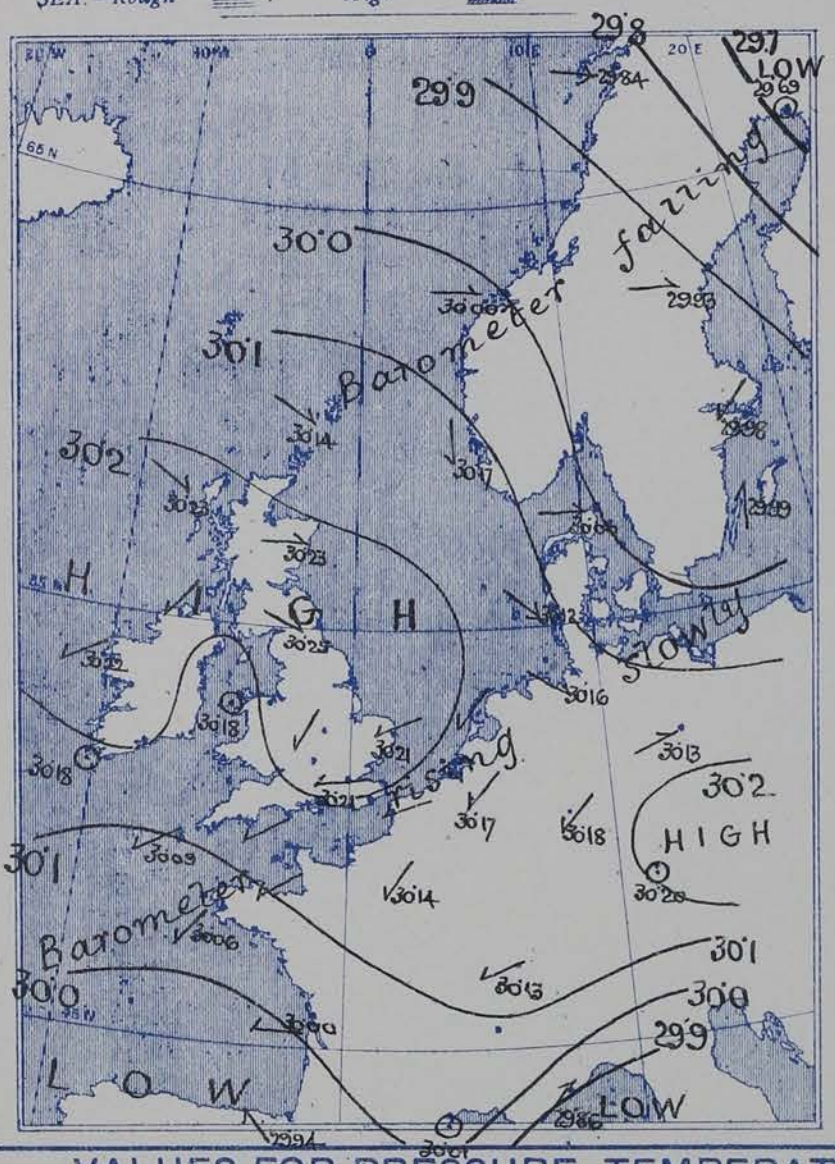
FOR Thursday, 10th August, 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

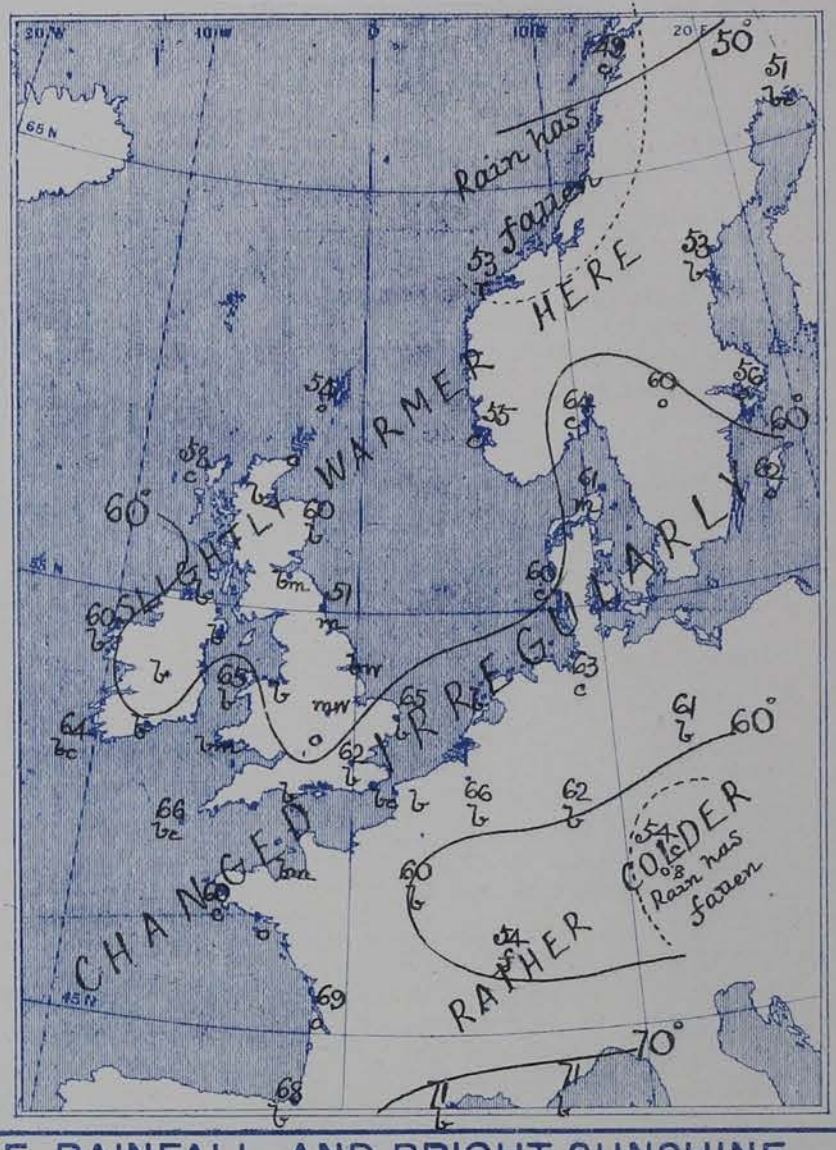
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29.923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 ins. and more to 30·1 ins. in a broad band extending from the Atlantic across the northern parts of our Islands and the North Sea to the Netherlands and Germany.
Lowest, (1) 29·7 ins. and less to 29·8 ins. over the east of Lapland, and (2) Below 29·9 ins. over the Riviera.
Gradients slight generally, very slight in our Islands.
Barometer rising over our Islands, falling over Scandinavia.

TEMPERATURE

Highest, 71° at Nice and Perpignan, 69° at Rochefort; above 60° on the south coasts of Ireland and England.
Lowest, 49° at Bodö, 53° at Hernösand, 54° at Sumburgh Head and Spurn Head; 51° at Shields.
The maxima recorded in our Islands yesterday did not reach 80° at any of our stations, but touched 81° at Lorient, 82° at Rochefort, 84° at Nice and Biarritz.

WIND

(1) N. to W. and freshening over Scandinavia; NW. to W. in the north of Scotland.
(2) Over Ireland, England, and France it is E. to NE., moderate to light.

WEATHER

Cloudy at the northern stations, rainy at Christiansund; fair over Ireland, England, and France, and in most places bright.
A little rain has fallen in the west of Norway, and a good deal at Munich.
Bright Sunshine recorded yesterday amounted to between 10 and 12 hrs. in many localities, in London it was only 6½ hrs.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Some little rain is probable in the north of Scotland, but south of the Tweed fine weather is still anticipated.

FORECASTS

For the 24 hours ending at NOON on 11th AUGUST 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W. and NW. winds; cloudy, some rain.	6 SCOTLAND WEST	Same as No 0
1 SCOTLAND EAST	W. and NW. winds, light; fair. Cooler tomorrow.	7 ENGLAND N.W.	E. and NE. breezes, light; fine.
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST	NE. breezes, moderate; fair, warm.	9 IRELAND NORTH	Same as No 0
4 MIDLAND COUNTIES		10 IRELAND SOUTH	Same as Nos 6 and 7.
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·15	59	54	W	2	b	1
Sumburgh Head	30·21	55	52	NW	2	c	2
Stornoway... ...	30·18	68	65	S	3	c	3
Aberdeen	30·24	57	51	ESE	3	bc	2
Shields	30·22	59	57	NNE	2	c	3
Malin Head ...	30·20	60	55	E	3	b	2
Belmullet	30·17	69	62	ENE	1	b	*
Holyhead	30·17	60	56	N	2	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·11	70	66	W	2	bm	3
Scilly	30·07	68	63	E	2	bc	0
Jersey	30·07	71	64	NNE	3	b	3
Portland Bill ...	30·10	66	62	SE	2	bc	2
Dungeness ...	30·05	71	66	SW	2	b	1
London (Westminster)	30·06	75	64	NE	3	bc	*
Yarmouth ...	30·11	67	62	ENE	4	b	4
Rochefort ...	30·02	78	68	NW	2	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning dull over Norway and the northeastern parts of our Islands, with rain at Bodö and slight drizzle at Shields; fine over England and France, dull over Central Europe with rain in several places. A little rain in Norway later, but apparently a great deal over South Germany – as much as 0·83 in: at Munich. Becoming very fine over our Islands.

Temperature fallen over Germany, and slightly fallen over Central England. Morning readings highest 82° in Greece, 81° at Algiers, 79° at Lisbon, 78° at Barcelona; above 60° all over France and the south of our Islands. Lowest 46° at Bodö, 51° at Hernösand, 52° at Sumburgh Head; (2) 54° to 52° over many parts of Germany. Rising later to 70° or a little above in the south and west of Ireland, to 76° at Loughborough and 79° in London; to 73° at Paris, 82° at Lyons, 84° at Nice and Biarritz.

Wind (1) strong W to NW in the north of Scandinavia, light over Finland; (2) Variable over Scotland, NE to E over Ireland, England, and the Channel; (3) E to NE over North Germany, W in South Germany, SE at Lemberg.

Barometer highest 30·2 in: and more over Scotland, and exceeding 30·1 in: over all but our southern counties, as well as over the North Sea and Norway. Lowest (1) 29·8 in: and less over Lapland and northern Russia; (2) 29·7 in: and less, in a depression over Central Germany, and in a secondary over the north of Italy. Very little change in our Islands later in the north of Scandinavia.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 11th August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
Scandinavia	Haparanda	29.75	47	W	2	bc	29.77	+.08	51	45	0	S	2	b	•	bc	•	55	36	-
	Hernösand	29.91	50	E	0	b	29.91	-.02	54	46	+1	NW	4	b	•	b	•	68	46	-
	Stockholm	29.98	58	S	2	o	29.95	-.03	63	58	+7	W	2	o	•	o	•	70	54	-
	Wisby	29.98	59	WNW	4	c	29.96	-.03	60	58	-2	SE	4	o	•	c	•	64	52	-
	Karlstad	29.95	64	E	0	o	29.94	-.04	62	56	+2	NNW	2	b	•	o	•	•	•	-
	Bodö	29.76	48	W	6	c	29.68	-.16	48	45	-1	SSE	4	r	1	c	•	50	45	0.08
	Christiansund ...	30.01	53	SW	3	o	29.89	-.11	55	54	+2	W	5	f	4	o	•	57	50	0.16
	Skudesnaes ...	30.15	57	NNW	4	o	30.14	-.03	58	57	+3	NNW	4	b	1	o	•	58	52	•
	Færder (X'iania Fjord)	29.97	64	NNW	2	o	29.99	.00	62	54	-2	NNW	2	o	1	o	•	68	59	-
	The Scaw (Skagen)	30.00	59	W	1	o	30.00	.00	63	58	+2	N	2	b	0	o	•	77	54	-
	Fanö	30.13	58	WNW	6	c	30.10	-.02	61	58	+1	NW	6	c	•	c	•	64	57	-
British Islands	Sumburgh Head ...	30.17	55	NW	2	o	30.17	+.03	55	55	+1	WNW	3	o	3	o	•	56	49	-
	Stornoway	30.25	64	N	3	c	30.31	+.08	58	57	0	E	0	o	0	c	7.1	70	54	-
	Wick	30.25	57	NW	3	c	30.28	+.16	60	55	+2	NW	4	bo	3	c	•	65	54	-
	Nairn	30.23	67	E	0	c	30.30	+.07	62	60	+3	E	0	b	1	c	•	73	52	-
	Aberdeen	30.25	61	SSE	2	bc	30.30	+.07	62	58	+2	WNW	2	bc	1	bc	11.3	66	53	-
	Leith	30.22	67	E	0	b	30.30	+.10	62	57	+6	NNE	1	bm	•	b	•	71	53	-
	Shields	30.24	60	E	2	b	30.31	+.06	55	53	+4	W	2	o	2	b	•	64	50	-
	Spurn Head ...	30.26	61	ESE	3	b	30.32	+.08	61	59	-3	N	3	c	3	b.bv	•	65	54	-
	Loughborough ...	30.20	73	E	2	b	30.33	+.08	54	53	-5	E	0	bcmw	•	bc.c.bf	•	76	45	-
	Malin Head ...	30.26	60	E	2	b	30.29	+.06	62	59	+2	E	0	b	0	b	•	64	54	-
	Belmullet	30.24	64	NE	3	b	30.31	+.09	65	61	+5	ENE	1	b	•	b	•	67	55	-
	Donaghadee ...	30.24	61	NNE	2	b	30.32	+.06	59	57	0	N	3	b	3	b	•	63	53	-
	Liverpool (Bidston) .	30.22	64	N	1	b	30.31	+.08	63	57	+5	E	1	b	?	bm	•	71	55	-
	Holyhead	30.22	63	N	1	b	30.29	+.11	63	61	0	E	0	f	0	b	•	67	53	-
	Parsonstown ...	30.19	74	SW	1	c	30.32	+.09	58	57	+5	NE	1	b	•	c	10.5	74	52	-
	Valencia	30.17	72	NNW	1	b	30.28	+.10	67	61	+3	NE	1	bm	1	bm	12.5	73	51	-
	Roche's Point ...	30.21	67	ESE	4	b	30.24	+.04	63	60	+2	NE	2	b	2	b	•	69	55	-
	Pembroke (St. Ann's Hd.)	30.19	69	NNE	2	b	30.26	+.10	61	59	0	E	2	bm	1	b	12.3	69	57	-
	Scilly	30.13	69	ENE	1	bc	30.17	+.08	66	63	0	E	4	c	1	bc	13.2	71	62	-
	Jersey (St. Aubin's) ...	30.11	76	NE	2	b	30.19	+.08	67	64	0	NE	4	bmw	3	bm	•	81	62	-
	Portland Bill ...	30.16	67	ESE	2	b	30.26	+.10	63	59	+1	ENE	3	b	3	b	•	71	54	-
	Dungeness	30.17	66	ENE	4	b	30.25	+.10	65	60	-3	ENE	4	bc	3	b	•	71	60	-
	London (Brixton) ...	30.18	70	E	3	b	30.30	+.09	62	58	0	ESE	2	b	•	bc.b	11.5	79	56	-
	Oxford	30.21	66	NE	2	b	30.31	+.08	62	58	+7	NE	2	b	•	b	•	77	50	-
	Yarmouth	30.22	64	ENE	3	b	30.28	+.07	61	57	-4	NNW	3	bc	3	b	•	67	53	-
Germany	Cuxhaven	30.14	68	NNW	5	c	30.10	-.06	61	58	-2	NW	5	o	•	c	•	72	57	-
	Berlin	30.08	68	WSW	1	b	30.10	-.03	57	53	-4	WNW	2	o	•	b	•	73	52	-
	Wiesbaden	•	•	•	•	•	30.18	.00	59	55	-3	E	1	b	•	•	•	75	52	-
	Munich	30.22	57	SE	2	b	30.22	+.02	57	53	+3	W	1	b	•	b	•	66	46	-
France & Netherlands	The Helder ...	30.20	62	N	1	b	30.23	+.05	61	58	-5	NNW	2	o	1	b	•	70	59	-
	Brussels	•	•	•	•	•	30.26	+.09	60	55	-6	NNE	3	b	•	b	•	76	50	-
	C. Gris Nez ...	30.17	65	E	4	b	30.24	+.08	60	59	-3	E	2	bc	2	b	•	72	55	-
	Paris	30.07	75	NE	2	b	30.19	+.05	59	55	-1	NNE	1	b	•	b	•	80	52	-
	Brest	30.08	72	NE	3	c	30.12	+.06	64	61	+4	NE	2	b	2	c	•	79	57	-
	Lorient	30.06	73	NE	1	c	30.13	+.07	66	62	+1	ENE	3	bc	2	c	•	79	61	-
	Rochefort	29.96	83	ENE	3	bc	30.06	+.06	65	60	-4	ENE	4	b	•	b.bc	•	99	64	-
	Belfort	30.06	65	NE	3	bc	30.13	.00	55	52	+1	E	4	m	•	bc	•	71	48	-
	Lyons	30.04	69	N	1	b	30.11	+.03	60	56	0	N	1	b	•	b	•	77	55	-
	Nice	29.96	71	E	0	bc	30.04	+.18	69	65	-2	E	2	c	0	bc	•	82	66	-
	Perpignan	29.97	73	E	0	o	30.04	+.09	72	69	+1	NE	1	c	•	o	•	84	66	-
	Biarritz	29.89	81	ENE	3	c	29.95	+.01	72	65	+4	SE	2	bc	2	c.tl	•	86	68	-
Span. Pen.	Corunna																•			
	Lisbon	29.94	72	NNW	3	b	29.88	-.09	73	67	+3	SE	1	c	•	b	•	77	68	-
	Azores (P. Delgada)	30.02	72	NNE	4	bc	29.99	-.02	71	67	-1	N	3	o	3	bc	•	79	68	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 11.4 hrs.

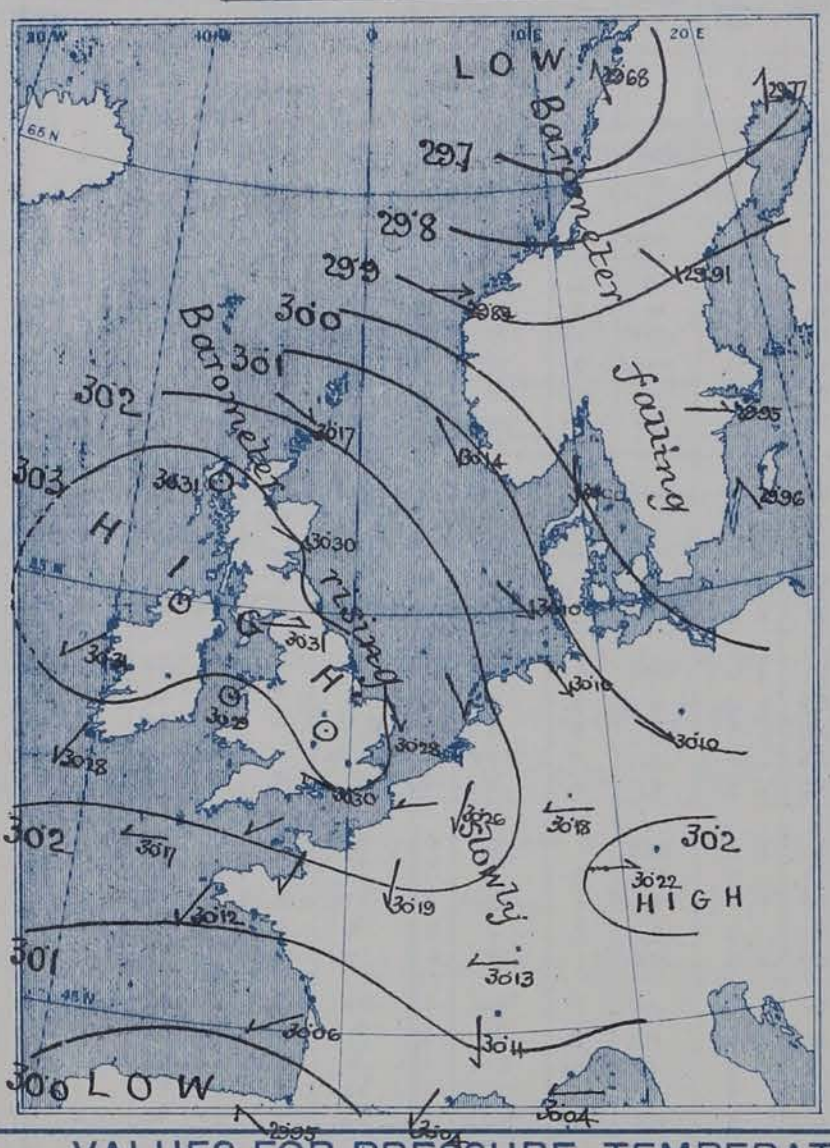
WEATHER CHARTS

FOR Friday, 11th August, 1899.

BAROMETER, WIND AND SEA.

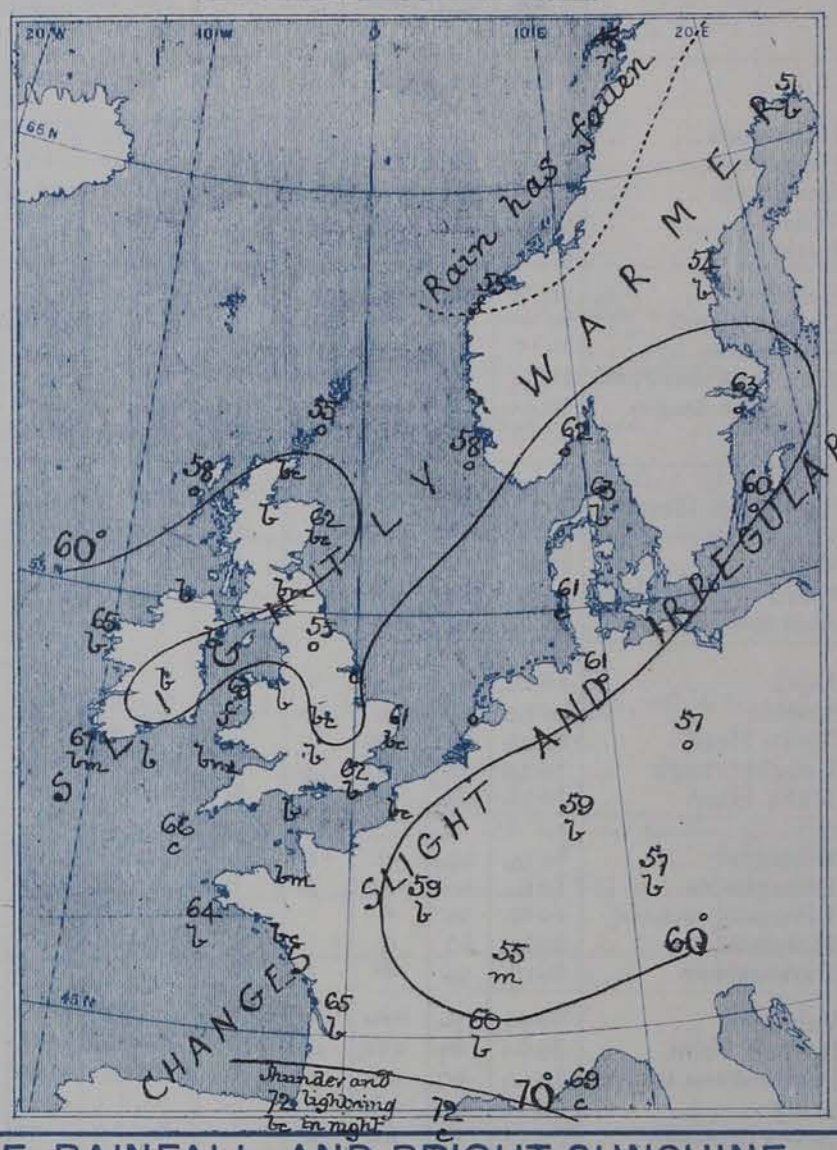
BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ➤⟶ : *Force 5 to 7* ⟶ : } Calm⊙
Force 8 to 10 ➤⟶ : *Force 1 to 4* ⟶ :
SEA.—Rough ▒ : *High* ▓



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR, 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29.923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and more to 30·2 in: in an anticyclone covering the whole of our Islands, the Channel, and Belgium.
Lowest, (1) 30·0 in: and less, over the Iberian Peninsula; (2) 29·7 in: and less, in a depression near Bodö.
Gradients slight over our Islands. Barometer rising except over Scandinavia.

TEMPERATURE

Highest, (1) 72° in the southwest of France, above 60° on the East coasts, the south of England, in Denmark, and the south of Sweden.
Lowest, 48° at Bodö, 50° to 55° in the northern parts of Scandinavia generally, 54° at Loughborough, and 55° at Shields and Sumburgh Head.
The maxima recorded yesterday were 73° at Nairn, 74° at Parsonstown, 79° in London, 81° at Jersey, 80° at Paris, 82° at Nice & 86° at Biarritz.

WIND

(1) SW to NW, cyclonic, and rather strong over the northern half of Scandinavia; NW strong, in Denmark, and moderate in Scotland.
(2) NE to E over Ireland, England and France, and moderate to light in force.

WEATHER

Raining in the northwest of Norway only: fine elsewhere, and in most places bright. The only stations reporting any rainfall for the past twenty four hours are Christiansund and Bodö.
Bright Sunshine recorded yesterday amounted to between 10 and 13 hours on most parts of our coasts.

SEA

Slight or smooth very generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the far north is likely to pass off without affecting our stations much. Fine bright weather is still indicated – warm days, but cool nights.

FORECASTS

For the 24 hours ending at NOON on 12th AUGUST, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	NW and N breezes, light; fair.
2 ENGLAND N.E.	Variable light airs; fine generally.
3 ENGLAND EAST	Same as No 5.
4 MIDLAND COUNTIES	Same as No 2.
5 ENGLAND SOUTH	E and NE breezes, moderate; fine.
6 SCOTLAND WEST	Same as Nos 0 and 1.
7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	NE breezes, light; fine.
WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·15	58	54	NNW	4	o	2
Sumburgh Head	30·15	56	55	NW	2	o	3
Stornoway... ...	30·24	70	68	W	2	c	2
Aberdeen	30·26	62	57	ESE	2	bc	1
Shields	30·25	62	60	ESE	2	b	2
Malin Head ...	30·25	64	60	E	1	b	1
Belmullet	30·24	66	60	NE	1	b	*
Holyhead	30·22	65	62	N	2	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·19	71	62	N	4	bm	4
Scilly	30·13	69	64	ENE	4	bc	1
Jersey	30·12	76	69	E	2	b	2
Portland Bill ...	30·17	70	65	ESE	4	b	3
Dungeness ...	30·17	70	66	ENE	4	b	3
London (Westminster)	30·18	73	64	ENE	3	bc	*
Yarmouth ...	30·23	66	61	NE	3	b	3
Rochefort ...	30·02	92	75	ESE	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine and bright except (1) over Lapland and the White Sea, and (2) over the south of Russia; dull in the north of Scotland. Some rain later in the extreme northern regions, none over our Islands and France, but a thunderstorm reported at Biarritz.

Temperature in morning highest 82° to 86° over the extreme southeast of Europe, 78° at Algiers, 77° at Barcelona, and above 70° over the Mediterranean generally; 60° and more at many of the Continental stations, and in the south and west of our Islands. Lowest 49° at Bodö, 50° to 53° over northern Europe generally, 54° at Sumburgh Head, 59° at Nairn, Donaghadee and Loughtorough, 51° at Shields (where the night had been quite cold). Rising during day to between 70° and 79° over the greater part of our Islands, to 81° at Jersey, 80° at Paris, 82° at Nice, 86° at Biarritz, and 99° at Rochefort.

Wind (1) moderate to strong over Scandinavia and northern Russia, the direction being mainly NW in the former region, SW over Finland and the White Sea; (2) NW moderate to light, over the northern part of Scotland, NE to E over Ireland, England and the north and west of France. E and variable (cyclonic) winds in the north of Italy.

Barometer highest (1) 30·2 ins. and more to 30·1 ins. in an anticyclonic system over the whole of our Islands, the North Sea, the northeast of France and northwest of Germany. Lowest (1) 29·7 ins. and less, over the Kola Peninsula and the White Sea; (2) 29·8 ins. and less over the Balkan Peninsula and part of Asia Minor, and below 29·9 ins. in a secondary over the Riviera. No decided change over our Islands later, falling a little over Scandinavia.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 12th August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.57	53	WSW	6	c	29.73	-.04	48	42	-3	N	6	b	•	c	•	57	39	0.12
	Hernösand	29.70	57	E	0	0	29.88	-.03	53	46	-1	NW	6	b	•	0	•	64	37	0.04
	Stockholm	29.82	61	SSW	2	0	29.86	-.09	57	54	-6	N	4	0	•	0	•	72	54	0.04
	Wisby	29.87	58	S	4	b	29.82	-.14	61	59	+1	NNE	4	c	•	b	•	64	54	0.39
	Karlstad	29.81	62	NW	4	0	29.95	+.01	57	51	-5	NNE	4	b	•	0	•	•	•	-
	Bodö	29.72	49	N	4	c	29.95	+.27	45	43	-3	W	4	bc	2	c	•	52	41	0.91
	Christiansund ...	29.93	53	W	8	r	30.00	+.11	55	52	0	W	3	0	3	r	•	55	48	0.75
	Skudesnaes ...	30.10	58	NNW	4	0	30.16	+.02	57	55	-1	NNW	4	0	2	0	•	59	54	•
	Færder (X'iania Fjord)	29.88	66	N	2	0	30.01	+.02	62	54	0	NNE	4	b	2	0	•	68	61	-
	The Scaw (Skagen)	29.91	64	NNW	2	b	29.99	-.01	62	55	-1	NE	3	b	0	b	•	72	61	-
	Fanö	30.09	60	NW	7	c	30.04	-.06	61	58	0	NW	7	c	•	c	•	66	59	-
BRITISH ISLANDS.	Sumburgh Head ...	30.19	56	W	4	r	30.08	-.09	55	55	0	W	4	0	0	r	•	59	45	0.02
	Stornoway	30.28	68	N	3	bc	30.28	-.03	58	56	0	NW	3	bc	3	c.bc	9.2	68	50	-
	Wick	30.29	58	NW	2	bc	30.25	-.03	56	54	-4	NW	5	0	4	bc	•	67	46	-
	Nairn	30.28	70	E	1	b	30.27	-.03	64	59	+2	W	2	b	1	b	•	73	50	-
	Aberdeen	30.30	60	SE	2	bc	30.28	-.02	65	58	+3	W	1	bcw	1	b.bc	10.5	70	47	-
	Leith	30.26	66	E	0	c	30.27	-.03	63	59	+1	WNW	2	bm	•	c	•	75	54	-
	Shields	30.29	63	SSE	2	b	30.29	-.02	55	54	0	SW	2	f	2	bm.b.f	•	67	52	-
	Spurn Head ...	30.30	63	ENE	2	b	30.30	-.02	60	59	-1	NW	2	bw	2	b.f	•	68	56	-
	Loughborough ...	30.28	72	ESE	3	bc	30.32	-.01	56	54	+2	E	0	bmw	•	bc.bm.f	•	77	45	-
	Malin Head ...	30.32	64	E	1	b	30.29	.00	63	61	+1	E	1	b	0	b	•	67	56	-
	Belmullet	30.31	72	NNE	1	b	30.28	-.03	66	62	+1	ENE	1	b	•	b	•	75	57	-
	Donaghadee ...	30.30	64	NNW	2	b	30.30	-.02	60	58	+1	NNW	2	b	2	b	•	65	53	-
	Liverpool (Bidston)	30.27	67	NW	1	b	30.28	-.03	64	59	+1	ESE	1	b	?	o, b	•	73	57	-
	Holyhead	30.27	65	NNE	1	bm	30.27	-.02	65	62	+2	E	0	bm	0	f.bm	•	65	56	-
	Parsonstown ...	30.27	75	SW	1	c	30.29	-.03	55	53	-3	NW	1	b	•	b, c	11.8	76	48	-
	Valencia	30.26	70	WSW	1	bm	30.25	-.03	67	60	0	E	0	bm	1	bcm.bm	13.5	78	51	-
	Roche's Point ...	30.29	67	ESE	4	bm	30.27	+.03	62	60	-1	NE	1	bw	2	bm	•	70	55	-
	Pembroke (St. Ann's Hd.)	30.25	68	NE	3	b	30.25	-.01	63	62	+2	SE	2	bm	1	b	11.8	70	56	-
	Scilly	30.23	68	ENE	3	b	30.19	+.02	66	62	0	E	4	b	1	b	13.4	72	61	-
	Jersey (St. Aubin's) ...	30.18	70	NE	4	bm	30.19	.00	65	61	-2	ENE	5	bcm	4	b.bm	•	73	60	-
	Portland Bill ...	30.25	64	SE	3	b	30.26	-.01	62	59	-1	E	4	b	3	b	•	70	54	-
	Dungeness	30.24	64	ENE	4	bc	30.25	.00	64	61	-1	NE	4	c	3	bc	•	69	60	-
	London (Brixton) ...	30.27	69	E	1	b	30.29	-.01	63	58	+1	ENE	1	b	•	bc.b	9.7	78	54	-
	Oxford	30.28	65	NE	3	b	30.30	-.01	61	57	-1	NE	2	b	•	b	•	77	51	-
	Yarmouth	30.27	65	NNE	3	bc	30.27	-.01	64	60	+3	N	3	bc	3	bc	•	67	55	-
GERMANY.	Cuxhaven	30.04	65	NW	6	0	30.02	-.08	63	59	+2	NW	6	0	•	0	•	72	59	-
	Berlin	30.02	64	NNW	4	c	29.99	-.11	60	56	+3	NNW	4	c	•	c	•	66	57	-
	Wiesbaden	•	•	•	•	•	30.18	.00	61	56	+2	N	1	r	•	•	•	75	54	-
	Munich	30.18	62	W	1	b	30.18	-.04	56	53	-1	NW	3	c	•	b	•	70	52	-
FRANCE & NETHERLANDS.	The Helder ...	30.21	63	NNW	2	bc	30.21	-.02	64	59	+3	NNW	3	bc	2	bc	•	66	59	-
	Brussels	•	•	•	•	•	30.25	-.01	61	57	+1	NNE	1	0	•	c	•	69	54	-
	C. Gris Nez ...	30.24	62	E	3	c	30.25	+.01	63	60	+3	E	4	c	4	c	•	68	59	-
	Paris	30.15	74	NNE	3	b	30.18	-.01	58	55	-1	NNE	2	b	•	b	•	80	53	-
	Brest	30.18	78	NE	2	b	30.11	-.01	60	55	-4	ENE	3	b	2	b	•	84	55	-
	Lorient	30.09	76	NE	5	bc	30.08	-.05	62	59	-4	ENE	5	b	4	bc	•	82	59	-
	Rochefort	30.00	82	E	3	b	29.96	-.10	67	60	+2	ENE	4	b	•	bc.b	•	93	63	-
	Belfort	30.04	69	ENE	1	b	30.12	-.01	56	53	+1	NW	2	m	•	b	•	75	49	-
	Lyons	30.04	74	N	1	b	30.09	-.02	60	55	0	N	1	b	•	b	•	79	57	-
	Nice	30.01	73	SW	1	bc	30.00	-.04	69	63	0	E	1	c	2	bc	•	81	63	-
	Perpignan	29.99	74	NE	1	0	30.05	+.01	72	70	0	E	0	0	•	0	•	89	65	-
	Biarritz	29.89	70	NE	4	c	29.88	-.07	75	66	+3	SSE	3	b	2	c	•	86	70	-
SPAN. PEN.	Corunna																•			
	Lisbon	29.91	72	S	3	c	29.88	.00	73	68	0	SSE	3	c	•	c	•	77	70	-
	Azores (P. Delgada)	30.02	71	N	4	bc	30.02	+.03	72	66	+1	NNE	4	bc	3	bc	•	77	66	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 12.8 hrs.

WEATHER CHARTS

FOR Saturday, 12th August, 1899.

BAROMETER, WIND AND SEA.

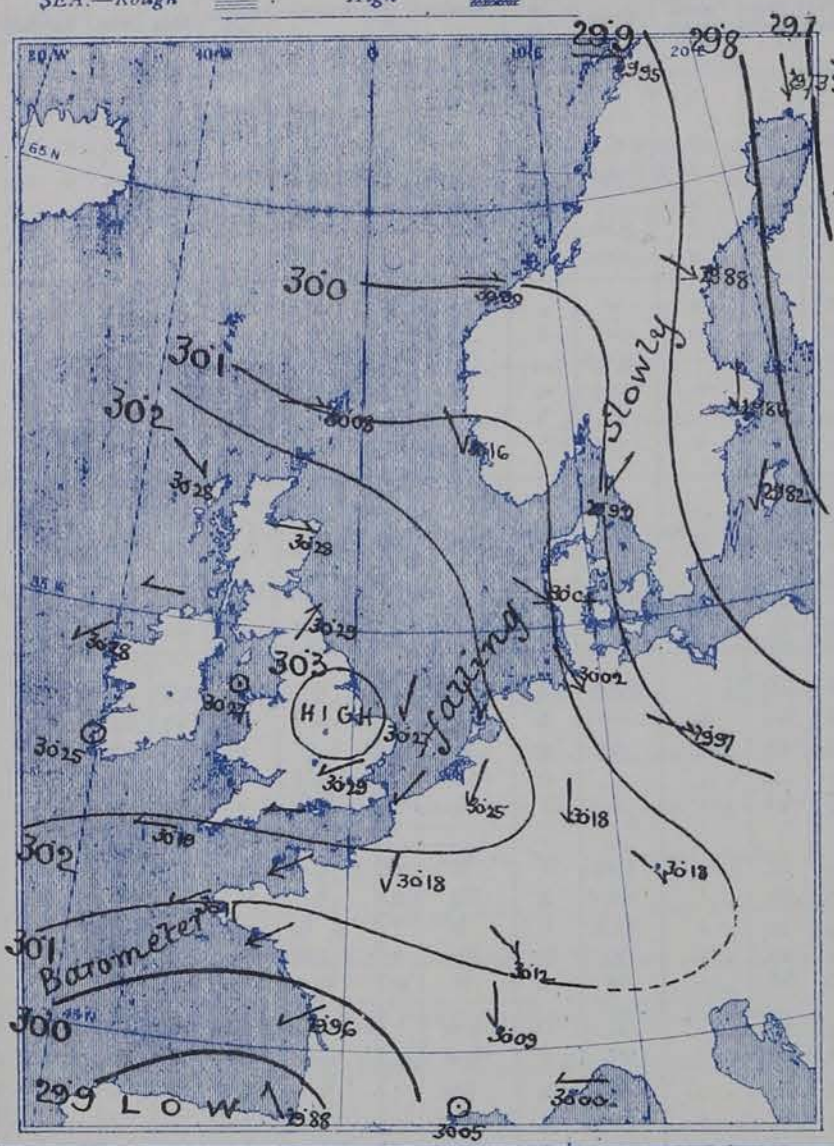
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

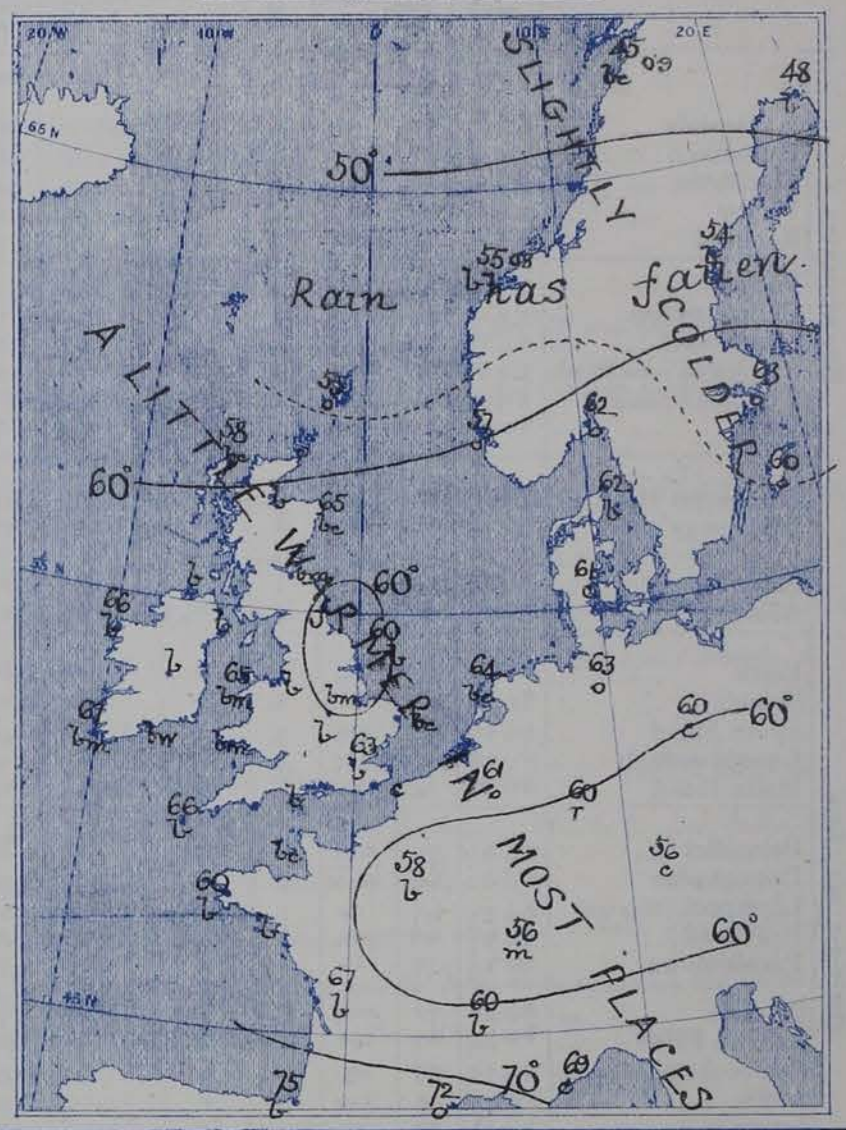


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.— { *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6*



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF AUGUST.*

STATIONS	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29·923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and more to 30·2 ins: in an anticyclone covering the whole of the British Islands and Belgium.
Lowest, 29·9 in: and less, (1) over the south of Sweden and the western part of the Baltic; (2) over the northern parts of Spain.
Gradients very slight in our Islands, moderate on the Continent.
Barometer falling a little in most places – chiefly over Spain and the Baltic.

TEMPERATURE

Highest, 72° at Perpignan, 75° at Biarritz, and above 60° over most parts of France, Germany and our Islands.
Lowest, 45° at Bodö, 48° at Haparanda, 53° at Hernösand, 55° at Christiansund and Sumburgh Head.
The maximum readings recorded yesterday were 73° at Nairn, 77° at Loughborough, 76° at Valencia and in London, 80° at Paris, 81° at Nice, and 93° at Rochefort.

WIND

(1) Very light and anticyclonic over our Islands – NW. in the far north, NE. to E. in the south.
(2) Much stronger and cyclonic on the Continent – NW. a gale in Holstein. NE. brisk over the Bay of Biscay.

WEATHER

Fine over our Islands generally, but dull at times, raining over Sweden.
The amount of rainfall recorded this morning at Christiansund was 0·8 in: and at Bodö 0·9 in: – At Visby 0·4 in:.
Bright Sunshine recorded in our Islands yesterday was again very large – varying from 10 to 13 hrs in many places.

SEA

Slight or smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No important change is indicated.

FORECASTS

For the 24 hours ending at NOON on 13th AUGUST 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W. and NW. winds, moderate to light; a little rain in N. of Scotland.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	Varying N. and NE. breezes, light; fine, warm daytime.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	

DISTRICTS.	FORECASTS.
6 SCOTLAND WEST	Same as Nos 0 to 2.
7 ENGLAND N.W.	Same as Nos 3 to 5.
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30.14	59	57	NW	4	o	2
Sumburgh Head	30.16	58	57	W	4	r	4
Stornoway... ...	30.31	63	62	S	3	c	3
Aberdeen	30.30	66	60	ESE	2	b	1
Shields	30.31	65	62	SSE	2	bm	2
Malin Head ...	30.31	66	63	NE	1	b	0
Belmullet	30.32	75	63	NNE	1	b	*
Holyhead	30.30	65	62	N	1	f	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30.27	77	64	E	1	bcm	2
Scilly	30.22	70	65	E	4	b	1
Jersey	30.22	72	65	ENE	4	b	3
Portland Bill ...	30.27	68	63	SE	3	b	3
Dungeness ...	30.26	68	64	ENE	4	bc	3
London (Westminster)	30.26	72	63	E	3	bc	*
Yarmouth ...	30.28	67	61	NE	3	b	3
Rochefort ...	30.04	90	70	E	3	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning very fine and dry all over our Islands, France, and Germany, becoming dull and rainy over Scandinavia, dull and rainy over the south of Russia and a part of Hungary also. Rainfall later varying from 0·9 in: to 0·8 in: in the northwest of Norway to 0·4 in: at Wisby, and to a few hundredths of an inch at the other Swedish stations.

Temperature remaining above 80° in Greece, 81° at Algiers, 80° at Barcelona, above 70° at most of the Mediterranean stations, but 68° at Rome, 69° at Nice; above 60° at most of the French stations and those in the south and west of our Islands, in Denmark, and the Baltic. Lowest (1) 48° at Bodö, 51° at Haparanda, 55° at Sumburgh Head; (2) 53° at Lemberg, 54° at Cracow, 57° at Prague. Rising later to 73° at Nairn, 76° at Parsonstown, 78° at Valencia and in London, to 80° at Paris, and 93° at Rochefort, but not exceeding 66° at Berlin.

Wind (1) W³ to NW³ over Scandinavia (but SSE³ at Bodö), NW³ light in Scotland, strong in Holstein; (2) NE³ over the Channel and Bay of Biscay, variable in different parts of Central Europe; (3) E³ in the south of France, variable over the Mediterranean.

Barometer highest 30·3 in: and more to 30·2 in: in an anticyclone over our Islands and their immediate neighbourhood. Lowest (1) 29·7 in: and less to 29·8 in: over Lapland and the Kola Peninsula; (2) 29·9 in: and less over southern Russia; (3) 29·88 in: at Lisbon. Falling over the Azores – report received late. No material change in our Islands later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 13th August, **1899.**

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.89	42	NW	2	b	29.92	+.19	50	46	+2	N	2	b	*	b	*	55	41	—
	Hernösand	29.97	50	W	0	0	29.95	+.07	60	54	+7	WNW	4	bc	*	0	*	66	48	—
	Stockholm	30.02	59	NE	2	b	30.03	+.17	60	55	+3	WNW	2	0	*	b	*	64	54	—
	Wisby	30.04	54	E	4	b	30.07	+.25	60	57	−1	W	4	b	*	b	*	61	52	—
	Karlstad	30.00	64	W	2	c	30.04	+.09	61	56	+4	NW	2	b	*	c	*	*	*	—
	Bodö	29.97	47	W	0	bc	29.98	−.02	46	45	+1	SE	2	r	1	bc	*	50	41	0.08
	Christiansund ...	30.04	54	W	6	r	30.17	+.17	52	51	−3	WSW	5	r	4	r	*	57	50	0.20
	Skudesnaes ...	30.18	58	N	4	0	30.25	+.09	57	53	0	N	4	c	1	0	*	61	54	*
	Færder (X'iania Fjord)	30.02	64	SW	2	bc	30.08	+.07	64	57	+2	N	4	b	2	bc	*	66	61	—
	The Scaw (Skagen)	30.06	60	WNW	1	b	30.08	+.09	59	58	−3	WSW	1	f	0	b	*	72	55	—
	Fanö	30.15	60	NNW	6	c	30.17	+.13	59	58	−2	NW	4	o	*	c	*	66	59	—
BRITISH ISLANDS	Sumburgh Head ...	30.18	56	W	3	c	30.24	+.16	58	57	+3	W	1	c	3	o,c	*	58	51	—
	Stornoway	30.27	62	SE	3	c	30.23	−.05	60	59	+2	Z	0	bc	0	bc,c	10.0	65	48	—
	Wick	30.29	57	NW	3	bc	30.27	+.02	58	54	+2	E	1	c	1	bc	*	66	45	—
	Nairn	30.26	70	Z	0	b	30.27	.00	57	56	−7	Z	0	0	1	b	*	74	44	—
	Aberdeen	30.30	58	SE	2	bc	30.29	+.01	61	57	−4	SSE	3	b	2	bc	12.6	68	48	—
	Leith	30.25	64	NNE	1	bc	30.30	+.03	59	57	−4	ENE	1	0	*	bc	*	77	56	—
	Shields	30.27	63	SE	2	c	30.31	+.02	61	60	+6	SE	2	0	2	c	*	71	53	—
	Spurn Head ...	30.28	63	ESE	1	c	30.31	+.01	60	58	0	E	1	ow	2	c	*	67	54	—
	Loughborough ...	30.26	75	ESE	1	bc	30.32	.00	61	57	+5	NNE	1	bmw	*	b,bc,bm	*	78	45	—
	Malin Head ...	30.27	58	E	2	bc	30.23	−.06	66	60	+3	SSW	2	bm	1	f,bc	*	66	56	—
	Belmullet	30.19	71	ENE	1	b	30.24	−.04	68	62	+2	E	1	b	*	b	*	76	60	—
	Donaghadee ...	30.26	61	N	2	b	30.27	−.03	55	55	−5	N	3	f	3	b	*	67	51	..
	Liverpool (Bidston)	30.24	67	NNW	1	bc	30.28	.00	65	59	+1	ESE	2	b	1	bc	*	73	56	—
	Holyhead	30.26	64	NW	1	c	30.26	−.01	68	66	+3	SW	1	bm	0	c	*	68	58	—
	Parsonstown ...	30.22	74	S	1	b	30.24	−.05	59	57	+4	N	1	b	*	b	9.7	77	52	—
	Valencia	30.20	70	SW	1	bm	30.19	−.06	69	62	+2	E	1	bm	2	bm,bm	12.0	75	51	—
	Roche's Point ...	30.25	68	ESE	3	b	30.21	−.06	66	63	+4	ESE	3	bm	3	b	*	70	56	—
	Pembroke (St. Ann's Hd.)	30.21	68	NE	3	b	30.24	−.01	62	60	−1	SE	4	og	3	b	10.6	71	57	—
	Scilly	30.19	66	E	5	bc	30.13	−.06	65	62	−1	E	5	bc	2	c,bc	12.7	69	61	—
	Jersey (St. Aubin's) ...	30.13	69	NE	6	b	30.16	−.03	67	62	+2	ENE	5	bm	4	b	*	72	60	—
	Portland Bill ...	30.21	64	ESE	4	c	30.22	−.03	64	62	+2	E	5	bc	4	c	*	69	55	—
	Dungeness	30.23	64	ENE	4	c	30.25	.00	64	62	0	ENE	3	c	2	o,c	*	69	62	—
	London (Brixton) ...	30.24	69	E	2	b	30.28	−.01	63	57	0	ENE	2	b	*	bc,b	10.9	77	55	—
	Oxford	30.25	67	E	2	b	30.29	−.01	64	59	+3	ENE	2	b	*	b	*	77	51	—
	Yarmouth	30.27	66	NNE	3	b	30.27	.00	63	59	−1	NE	3	c	3	b	*	68	57	—
GERMANY.	Cuxhaven	30.12	63	NNW	4	bc	30.19	+.17	61	60	−2	NW	2	r	*	bc	*	73	59	—
	Berlin	30.14	66	WNW	4	b	30.19	+.20	57	55	−3	WNW	3	0	*	b	*	72	54	—
	Wiesbaden	*	*	*	*	*	30.23	+.05	64	59	+3	N	1	c	*	*	*	70	57	—
	Munich	30.24	57	Z	0	b	30.29	+.11	59	57	+3	E	3	b	*	b	*	66	50	—
FRANCE & NETHERLANDS.	The Helder ...																*			
	Brussels	*	*	*	*	*	30.26	+.01	61	58	0	NE	1	0	*	b	*	69	53	—
	C. Gris Nez ...	30.24	64	E	4	c	30.23	−.02	60	60	−3	ESE	2	0	1	c	*	70	57	—
	Paris	30.16	71	NE	2	b	30.19	+.01	62	55	+4	NE	2	b	*	b	*	75	56	—
	Brest	30.06	76	ENE	2	b	30.06	−.05	62	58	+2	ENE	3	bc	2	b	*	77	57	—
	Lorient	30.04	74	E	5	b	30.06	−.02	63	59	+1	ENE	4	bc	4	b	*	84	59	—
	Rochefort	29.96	86	ENE	3	bc	29.98	+.02	69	64	+2	E.	3	0	*	bc	*	100	64	—
	Belfort	30.08	64	ENE	6	m	30.14	+.02	59	55	+3	NE	5	m	*	m	*	73	50	—
	Lyons	30.02	75	N	1	b	30.11	+.02	?	59	?	S	1	b	*	b	*	81	56	—
	Nice	29.95	73	WSW	3	b	30.04	+.04	68	62	−1	E	3	b	1	b	*	82	64	—
	Perpignan	29.97	74	E	3	bc	30.04	−.01	73	61	+1	Z	0	bc	*	bc	*	83	64	—
	Biarritz	29.90	77	WSW	2	0	29.93	+.05	73	69	−2	SSE	2	b	1	0	*	88	68	—
SPAN. PEN.	Corunna	29.82	77	N	4	bc	29.95		71	66		SSE	2	bc	2	bc	*	79	66	0.39
	Lisbon	29.93	70	SSW	3	bc	29.95	+.07	70	68	−3	SSE	4	0	*	bc	*	77	68	0.59
	Azores (P. Delgada)	30.11	72	NNW	4	bc	30.12	+.10	71	67	−1	NNW	3	bc	3	bc	*	77	66	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 9.0 *hrs.*

WEATHER CHARTS

FOR *Sunday, 13th August,* 1899.

BAROMETER, WIND AND SEA.

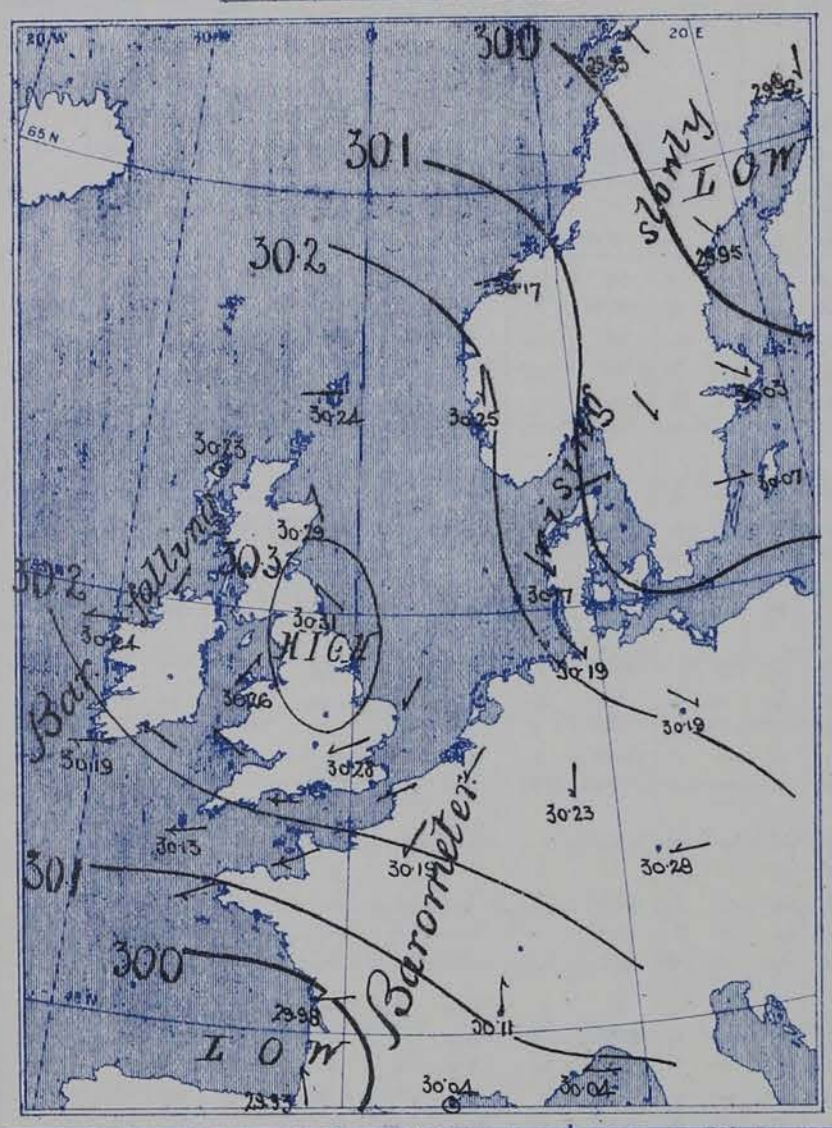
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

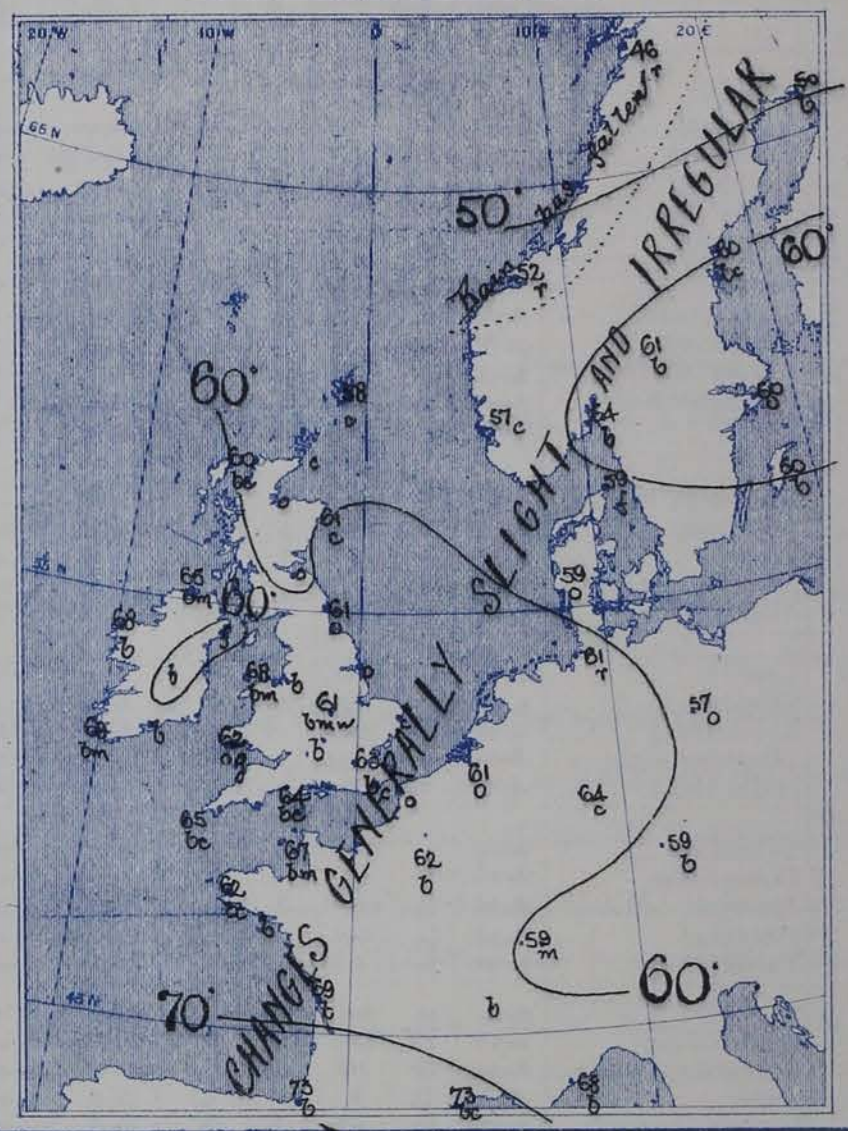


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE

IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of				Absolute Extremes.				RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29·923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and more over the northeast of England, and exceeding 30·2 in: over the British Islands generally, the North Sea, the Netherlands, Belgium and south Germany; (2) over the Spanish Peninsula and the southwest of France.
Lowest, 30·0 in: and less (1) over Lapland and the northern part of Sweden and the Gulf of Bothnia; (2) over the Spanish Peninsula and the southwest of France.
Gradients very slight in our Islands, moderate over northern and southeastern Europe.
Barometer falling a little in the British Islands

TEMPERATURE

Highest, 73° in the southwest of France, 68° at Nice; above 60° at most of the French stations and the southern and extreme southeastern parts of our Islands.
Lowest, 46° at Bodö, 50° at Haparanda, 52° at Christiansund; 57° to 60° over the north of Scotland; 57° at Berlin and Munich.

WIND

Light to moderate and anticyclonic over the United Kingdom (E. in the south, S. and Variable in Ireland, W. to NW. over Scandinavia. In Germany it is light and variable, in France E. to NE.
It blew very strongly at Jersey from the NE. last night.

WEATHER

Fine in most places, but the two stations (Christiansund and Bodö) in the north of Norway, both report rain.
No less than 0·59 in: of rain is reported at Lisbon.
Bright Sunshine recorded yesterday ranged from 9·0 hrs at Southport to 12·6 hrs at Aberdeen and 12·7 hrs at Scilly.

SEA

Moderate at Christiansund and Portland, Jersey, and Orient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 14TH AUGUST 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·16	60	57	NNW	4	o	2
Sumburgh Head	30·10	56	56	W	4	o	4
Stornoway... ...	30·30	64	63	NW	3	bc	3
Aberdeen	30·31	60	57	E	2	bc	2
Shields	30·27	71	66	SSE	2	b	2
Malin Head ...	30·29	61	59	E	2	f	1
Belmullet	30·31	76	64	NNE	1	b	*
Holyhead	30·26	68	64	NW	1	bm	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·22	74	64	WNW	1	bcm	2
Scilly	30·19	67	64	E	5	c	2
Jersey	30·18	70	63	ENE	5	b	4
Portland Bill ...	30·24	67	64	ESE	4	bc	3
Dungeness ...	30·26	65	63	ENE	4	o	3
London (Westminster)	30·25	72	61	NE	3	bc	*
Yarmouth ...	30·27	68	62	NNE	4	b	3
Rochefort ...	29·98	95	75	E	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine over our Islands, France, ~~and~~ the Mediterranean, and Spain, and in nearly all regions bright; dull over Central Europe, with rain in places. A little rain later in the northwest of Norway, and a considerable quantity at Lisbon; continuing fair and bright over the United Kingdom and France.

Temperature not changing much. Morning readings highest 84° at Algiers, 80° at Barcelona, and above 70° at most of the Mediterranean and Adriatic stations; above 60° over France and Hungary, as well as over the greater part of our Islands. Lowest (1) 45° at Bodö, 48° at Haparanda, 50° at Kuopio; 55° at Lumburgh Hd., 56° at Wick and Shields, 58° at Stornoway; (2) 54° at Moscow, 56° at Warsaw, Cracow and Vienna. Rising later to 74° at Nairn, 77° at Farnborough, at Oxford, in London and at Lisbon, to 75° at Paris, 84° at Lorient, 88° at Biarritz and 100° at Rochefort.

Wind W to NW in Scotland, NW over the North Sea and Germany (a gale at Faröe); NE in the west of France, E in in the south of England; (2) SW over the Baltic Provinces, S at Archangel. N to E and anticyclonic over the Mediterranean.

Barometer highest 30·3 in: and more over Central England, and exceeding 30·1 in: over the British Islands generally, over the North Sea, Belgium, the north and east of France and the west and southwest of Germany. Lowest 29·7 in: in a depression over the west of Lapland and north of Finland, and also in a depression over the southern parts of Russia. No change in our Islands later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 14th August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.93	47	SW	0	b	29.97	+.05	53	47	+3	N	2	b	•	b	•	59	36	–
	Hernösand	30.07	56	NNW	2	b	30.05	+.10	56	49	−4	W	2	bc	•	b	•	66	46	–
	Stockholm	30.09	61	SW	0	b	30.16	+.13	58	51	−2	N	4	b	•	b	•	72	48	–
	Wisby	30.11	60	W	2	b	30.15	+.08	61	57	+1	N	4	b	•	b	•	66	48	–
	Karlstad	30.06	68	W	2	b	30.19	+.15	61	53	0	ENE	2	b	•	b	•	•		–
	Bodö	30.09	51	SW	6	r	30.07	+.14	50	48	+4	W	4	c	2	r	•	51	41	1.06
	Christiansund ...	30.19	54	WSW	3	o	30.21	+.04	56	54	+4	WSW	2	o	3	o	•	56	50	0.20
	Skudesnaes ...	30.19	57	NNW	6	b	30.20	−.05	57	55	0	NNW	6	b	2	b	•	61	?	*
	Færder (X'iania Fjord)	30.06	65	WSW	2	o	30.17	+.09	61	54	−3	NNE	4	b	2	c	•	70	61	–
	The Scaw (Skagen)	30.11	62	W	1	b	30.13	+.05	62	60	+3	W	1	b	0	b	•	75	50	–
	Fanö	30.19	59	NW	5	c	30.19	+.02	59	56	0	NW	6	c	•	c	•	64	57	–
BRITISH ISLANDS.	Sumburgh Head ...	30.23	60	W	1	b	30.19	−.05	56	54	−2	SW	1	o	2	b	•	62	50	–
	Stornoway	30.20	71	E	2	b	30.12	−.11	59	58	−1	S	0	b	0	b	12.3	72	49	–
	Wick	30.25	61	E	1	b	30.19	−.08	54	53	−4	S	1	f	1	b	•	65	43	–
	Nairn	30.21	61	E	1	m	30.18	−.09	57	57	0	S	0	m	0	m	•	70	45	–
	Aberdeen	30.24	58	S	3	bc	30.21	−.08	53	53	−8	WSW	1	of	1	bc.f	7.5	63	48	–
	Leith	30.23	65	S	0	c	30.20	−.10	57	57	−2	ENE	1	f	•	c	•	66	52	–
	Shields	30.25	62	SE	3	bc	30.22	−.09	55	55	−6	SSW	3	o	2	bc	•	66	52	–
	Spurn Head ...	30.27	62	E	3	c	30.23	−.08	61	60	+1	ENE	3	c	3	c.z	•	67	57	–
	Loughborough ...	30.24	74	E	2	b	30.24	−.08	58	56	−3	SE	1	ogmz	•	b.bc.om	•	78	48	–
	Malin Head ...	30.19	65	ESE	1	bm	30.12	−.11	66	62	0	ESE	1	bm	1	bm	•	71	59	–
	Belmullet	30.17	71	NNE	1	b	30.12	−.12	64	61	−4	S	1	b	•	b	•	74	57	–
	Donaghadee ...	30.23	64	NE	1	b	30.18	−.09	60	59	+5	NE	2	b	1	b	•	64	50	–
	Liverpool (Bidston)	30.21	70	N	1	b	30.20	−.08	65	59	0	ESE	2	b	3	b	•	78	55	–
	Holyhead	30.21	63	NNW	2	b	30.15	−.11	69	62	+1	E	1	b	1	b	•	73	58	–
	Parsonstown ...	30.18	73	SSE	1	b	30.15	−.09	60	57	+1	NW	1	b	•	b	11.1	77	52	–
	Valencia	30.14	74	SE	3	bcm	30.09	−.10	65	61	−4	ESE	1	bm	1	bcm	13.5	77	52	–
	Roche's Point ...	30.20	67	SE	4	b	30.12	−.09	67	63	+1	ESE	3	bm	2	b	•	69	57	–
	Pembroke (St. Ann's Hd.)	30.20	68	NE	3	c	30.15	−.09	64	62	+2	SE	4	c	2	c		70	59	–
	Scilly	30.13	67	ENE	5	c	30.06	−.07	66	64	+1	ESE	5	o	3	c	7.2	70	60	–
	Jersey (St. Aubin's) ...	30.10	72	ENE	5	bcm	30.11	−.05	72	66	+5	E	2	bmw	2	c.bcm	•	74	63	–
	Portland Bill ...	30.17	65	ESE	4	c	30.15	−.07	65	63	+1	ESE	5	c	4	c	•	70	55	–
	Dungeness	30.17	66	ENE	4	b	30.17	−.08	66	63	+2	ENE	4	b	3	bc.b	•	69	63	–
	London (Brixton) ...	30.21	70	E	3	b	30.20	−.08	64	61	+1	ENE	1	o	•	bc.b	10.6	78	58	–
	Oxford	30.22	67	NE	3	b	30.21	−.08	59	57	−5	NE	1	og	•	b	•	77	53	–
	Yarmouth	30.25	63	NE	3	c	30.22	−.05	63	60	0	E	3	c	3	c	•	67	59	–
GERMANY.	Cuxhaven	30.21	61	NNW	2	o	30.22	+.03	60	57	−1	W	1	o	•	o	•	64	57	–
	Berlin	30.19	68	W	2	b	30.21	+.02	63	60	+6	W	2	c	•	b	•	75	57	–
	Wiesbaden	•	•	•	•	•	30.21	−.02	61	58	−3	E	1	b	•	•	•	72	54	–
	Munich	30.27	60	NE	3	b	30.30	+.01	59	56	0	E	2	b	•	b	•	70	46	–
FRANCE & NETHERLANDS.	The Helder ...	30.23	63	NNW	1	c	30.23		61	57		NNW	1	o	?	c	•	?	?	–
	Brussels	•	•	•	•	•									•		•			
	C. Gris Nez ...	30.16	65	E	3	bc	30.18	−.05	62	57	+2	ESE	2	b	1	bc	•	70	57	–
	Paris	30.12	77	ENE	2	b	30.15	−.04	65	60	+3	ENE	2	b	•	b	•	80	57	–
	Brest	30.03	77	ENE	1	bc	30.03	−.03	68	62	+6	ENE	1	b	0	bc	•	81	62	–
	Lorient	30.03	82	S	0	b	30.05	−.01	68	65	+5	E	4	c	2	b	•	88	61	–
	Rochefort	29.97	81	NW	2	bc	30.04	+.06	72	69	+3	NW	2	o	•	bc	•	104	68	–
	Belfort	30.09	?	ENE	4	c	30.17	+.03	63	59	+4	NE	1	m	•	c	•	75	?	–
	Lyons	30.05	81	E	1	b	30.14	+.03	71	65	?	SE	1	b	•	b	•	84	64	–
	Nice	30.10	73	SSW	2	c	30.10	+.06	71	65	+3	W	1	bc	2	c	•	81	63	–
	Perpignan	30.08	77	N	2	b	30.12	+.08	75	73	+2	W	2	b	•	b	•	83	68	–
	Biarritz	29.94	91	E	2	b	29.93	.00	77	70	+4	ESE	3	bc	1	b.l	•	91	73	–
SPAN. PEN.	Corunna																•			
	Lisbon	29.99	71	S	4	c	30.03	+.08	70	68	0	SSE	4	o	•	c	•	77	68	0.08
	Azores (P. Delgada)	30.20	71	NW	2	b	30.20	+.08	72	71	+1	SSW	4	c	3	b	•	79	68	–

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 11.3 *hrs.*

WEATHER CHARTS

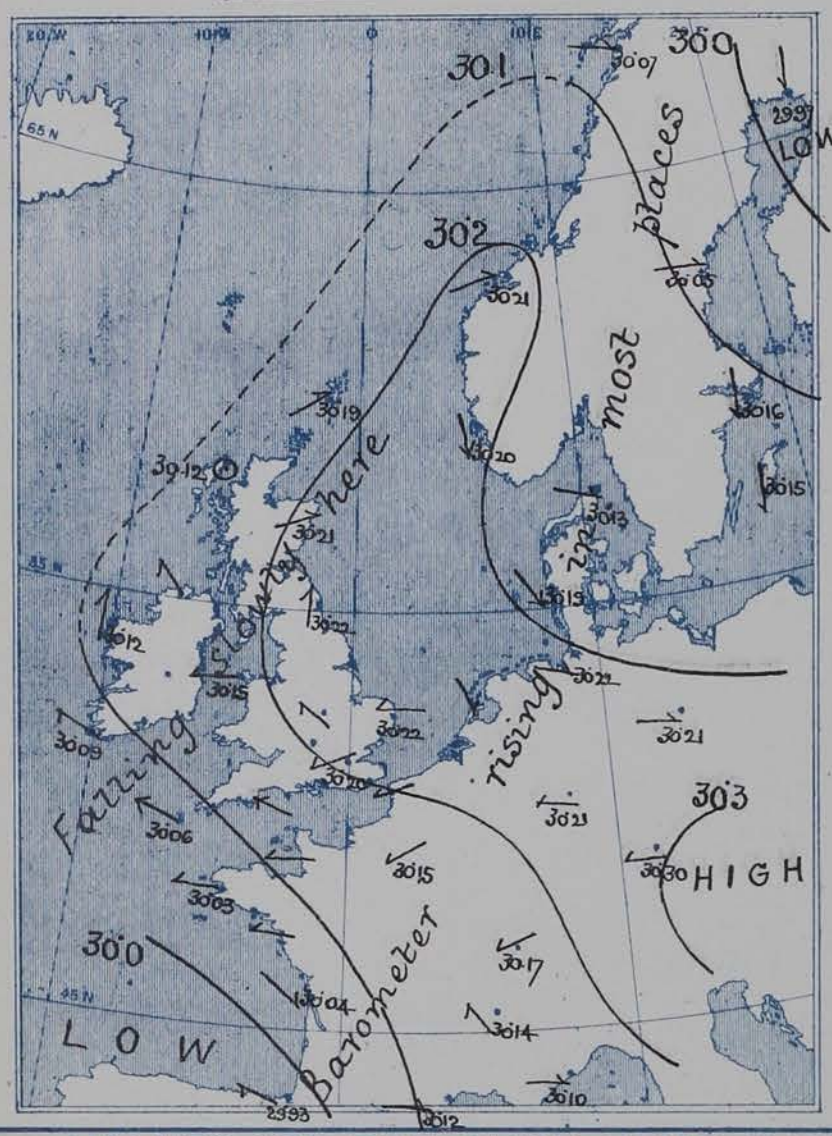
FOR Monday, 14th August, 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

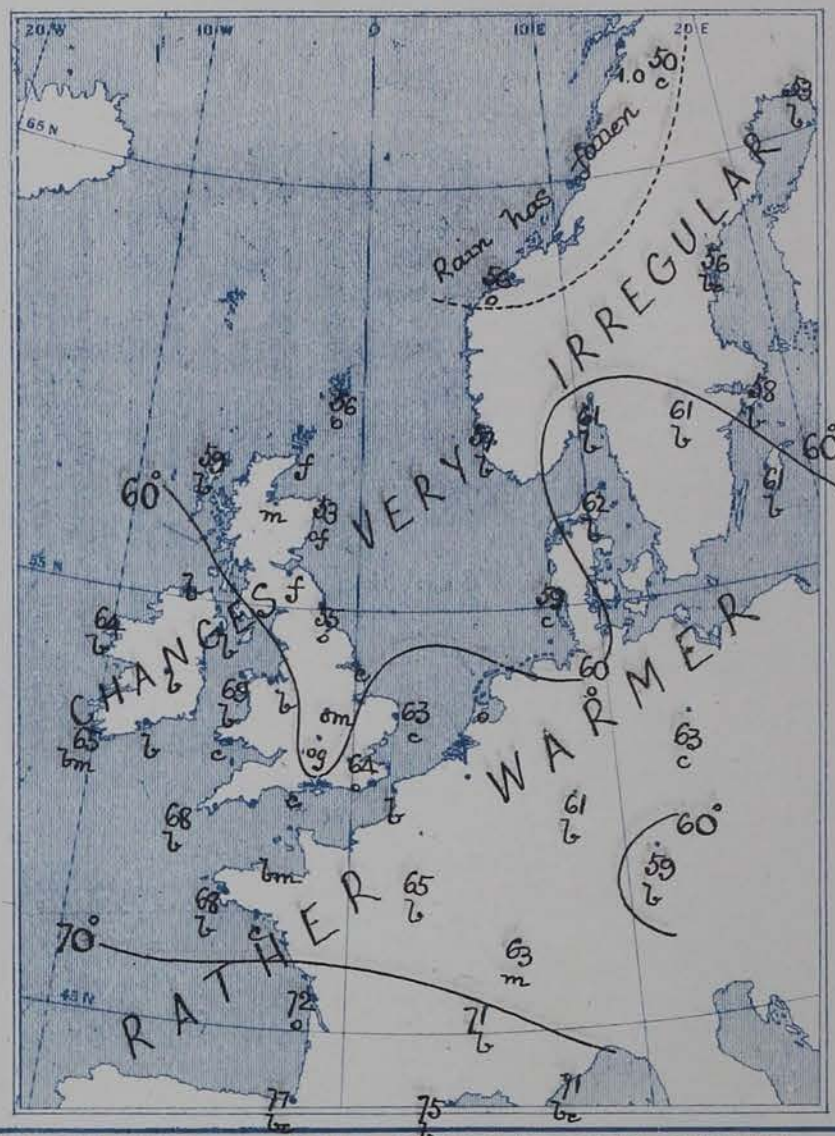
Force above 10 ➛ : *Force 5 to 7* ➛ : } Calm ⊙
Force 8 to 10 ➛ : *Force 1 to 4* ➛ : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29·923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·30 in: at Munich, and 30·2 in: and more almost the whole of the North Sea and the eastern parts of England.
Lowest, (1) 30·00 in: and less, both over the Iberian Peninsula and in the east of Lapland; (2) 30·1 in: and less off the west of Ireland.
Gradients slight over the North Sea, but show some tendency to increase in Ireland.
Barometer falling generally over the United Kingdom, rising a little over France.

TEMPERATURE

Highest, 77° at Biarritz, 75° at Perpignan, above 60° over the northern parts of France and Germany and the southern and western parts of England.
Lowest, 50° at Bodö, 54° at Wick, 53° at Aberdeen, 55° at Shields.
The maxima recorded yesterday were 72° at Stornoway, 77° at Barcelona and Valencia, 78° at Loughborough and in London, 80° at Paris, 104° at Rochefort.

WIND

E to SE, light, at the southern stations, SE in the west, calm in Scotland, SW and W in Norway, N over the Baltic. In Germany it is very light and variable.

WEATHER

Fair generally, but very dull over the northeastern and southeastern parts of Great Britain.
The only falls of rain reported are 1·06 in: at Bodö and 0·2 in: at Christiansund.
Bright Sunshine recorded yesterday was very considerable. It exceeded 12 hours at several northwestern and western stations.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclonic system is now moving eastwards and will probably move southeastwards shortly to Central Europe. The wind will veer southwestwards slowly in Ireland and Scotland, with rain in the west and northwest, and hot weather over England.

FORECASTS

For the 24 hours ending at NOON on 15th AUG: 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW breezes, light; fine.	6 SCOTLAND WEST	Same as Nos 0 and 1
1 SCOTLAND EAST		7 ENGLAND N.W.	Same as No 2.
2 ENGLAND N.E.	SE to S breezes, light fine.	8 ENGLAND S.W.	Same as No 5.
3 ENGLAND EAST	Same as No 5.	9 IRELAND NORTH	SE and S breezes, moderate; tending to rain.
4 MIDLAND COUNTIES	Same as No 2.	10 IRELAND SOUTH	
5 ENGLAND SOUTH	E and SE winds, light; fine.	WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·24	61	57	N	6	b	2
Sumburgh Head							
Stornoway... ...	30·20	71	69	SSW	1	b	1
Aberdeen							
Shields							
Malin Head ...	30·21	68	63	E	2	b	1
Belmullet	30·22	74	63	NNE	1	b	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30·13	72	63	ENE	5	c	4
Portland Bill ...							
Dungeness ...	30·21	68	65	ENE	5	bc	5
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·00	101	79	NW	2	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 6TH TO THE 12TH AUG: 1899.

At the commencement of this week an anticyclone was being formed over the west of Scandinavia and the east of Scotland, and was developing in a southeasterly direction, where a ridge spread southeastwards over the northeastern and eastern parts of England. A depression off the southwest of our Islands, brought slight falls of rain, with thunder and lightning to the west and south of our Islands, the largest amount of all being a local fall of 1·65 ins: which fell at Falmouth on Monday (7th). Gradually, however, the anticyclone spread and moved southwards till all the Islands were excluded from our area, and rain was absent from all stations in our Islands. Temperature was steadily high over England, but the maximum day temperature rose during the week by about 5° over Central Scotland, and about 12° or 13° over Central Ireland as the centre of the anticyclone moved southwards, and the winds in the counties named from NE, became E and SE.

Meantime shallow depressions appeared over Lapland and Northern Russia and moved southwards over that country, while some more intense systems were found over Austria and northern Italy at times. As a consequence rain fell daily at Bodö, where the fall amounted to nearly 2 ins:, and Christiansund had 1·5 ins: measurements being made on 6 days out of the 7.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 15th August, **1899.**

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda	29.97	48	Z	0	c	29.97	·00	50	46	− 3	N	2	bc	*	c	*	61	36	—
	Hernösand	30.10	60	NW	2	bc	30.10	+·05	58	52	+ 2	N	2	c	*	bc	*	66	48	—
	Stockholm	30.13	57	Z	0	b	30.14	−·02	64	57	+ 6	W	2	b	*	b	*	70	52	—
	Wisby	30.19	55	S	4	b	30.21	+·06	61	59	0	W	4	b	*	b	*	64	52	0.32
	Karlstad	30.13	63	Z	0	b	30.12	−·07	64	59	+ 3	SSW	2	b	*	b	*	*	*	—
	Bodö	30.10	49	W	2	c	29.99	−·08	48	47	− 2	E	4	r	1	c	*	52	46	0.63
	Christiansund ...	30.17	59	Z	0	bc	30.05	−·16	56	54	0	SE	1	b	1	bc	*	59	48	—
	Skudesnaes ...	30.18	56	NW	4	c	30.10	−·10	53	53	− 4	Z	0	f	1	b,c	*	63	52	*
	Færder (X'iania Fjord)	30.13	67	WSW	1	b	30.10	−·07	68	63	+ 7	WSW	2	b	1	b	*	72	61	—
	The Scaw (Skagen)	30.15	64	Z	0	b	30.12	−·01	63	61	+ 1	SW	1	b	0	b	*	70	55	—
	Fanö	30.18	59	NW	4	0	30.14	−·05	58	57	− 1	N	1	0	*	0	*	66	57	—
BRITISH ISLANDS	Sumburgh Head ...	30.10	57	S	3	0	29.90	−·29	59	57	+ 3	S	2	bc	3	c,0	*	59	51	—
	Stornoway	30.00	72	S	3	c	29.89	−·29	59	59	0	WNW	2	r	2	b,c	11.5	72	56	0.05
	Wick	30.04	57	S	2	f	29.82	−·37	59	57	+ 5	S	1	m	1	f	*	61	52	—
	Nairn	30.02	61	Z	0	m	29.83	−·35	65	63	+ 8	Z	0	om	0	m	*	67	52	—
	Aberdeen	30.11	59	S	3	bc	29.88	−·33	63	59	+ 10	S	4	bcq	2	bm,bc	8.3	65	53	—
	Leith	30.04	62	Z	0	b	29.92	−·28	57	56	0	Z	0	f	*	b	*	64	55	—
	Shields	30.12	61	SSE	3	0	29.97	−·25	59	59	+ 4	SSW	3	om	2	b,0	*	66	54	—
	Spurn Head ...	30.14	62	ESE	4	c	30.04	−·19	65	63	+ 4	SSE	4	bv	4	c	*	65	59	—
	Loughborough ...	30.10	76	SE	1	bc	30.05	−·19	64	60	+ 6	SSW	1	ow	*	bc,bm,c	*	78	56	—
	Malin Head ...	29.98	72	S	3	bc	29.90	−·22	60	60	− 6	SSW	3	r	2	bc	*	74	60	0.08
	Belmullet	30.01	67	W	1	c	29.97	−·15	62	59	− 2	WNW	2	b	*	b,c	*	73	59	0.32
	Donaghadee ...	30.06	64	SSE	3	bc	29.95	−·23	61	61	+ 1	S	3	rgm	3	bc	*	67	54	0.08
	Liverpool (Bidston)	30.07	71	SE	1	b	30.00	−·20	63	61	− 2	SE	1	r	?	bm	*	74	59	0.04
	Holyhead	30.06	65	N	1	bc	30.00	−·15	63	62	− 6	WSW	1	omp	1	bc	*	71	59	0.04
	Parsonstown ...	30.01	73	E	1	b	30.00	−·15	62	61	+ 2	SW	1	c	*	b	12.0	76	59	0.54
	Valencia	30.03	67	SSW	2	om	30.04	−·05	65	62	0	SE	1	cp	2	bm,om	10.5	74	52	0.04
	Roche's Point ...	30.06	67	S	2	c	30.01	−·11	63	61	− 4	N	1	bc	2	c,p	*	70	60	—
	Pembroke (St. Ann's Hd.)	30.08	69	SE	2	b	30.01	−·14	65	64	+ 1	SE	3	bc	1	b	9.0	70	61	—
	Scilly	30.04	68	ESE	4	b	29.99	−·07	67	66	+ 1	S	1	f	0	b,tl	9.8	71	64	—
	Jersey (St. Aubin's) ...	30.05	77	E	1	bc	30.02	−·09	75	69	+ 3	E	1	bm	1	bc,tl	*	78	65	—
	Portland Bill ...	30.09	66	ESE	4	c	30.02	−·13	68	66	+ 3	ESE	3	bc	3	c	*	70	56	—
	Dungeness	30.11	67	ENE	4	bc	30.04	−·13	72	68	+ 6	ENE	2	m	1	b,bc	*	72	65	—
	London (Brixton) ...	30.12	72	E	2	bc	30.06	−·14	67	64	+ 3	S	1	b	*	b,c,b	4.0	79	60	—
	Oxford	30.10	70	ESE	3	b	30.05	−·16	65	62	+ 6	ESE	1	bcm	*	b	*	76	56	—
	Yarmouth	30.14	64	ESE	3	bcv	30.07	−·15	65	63	+ 2	ESE	2	b	2	bcv	*	66	60	—
GERMANY	Cuxhaven	30.18	63	N	2	b	30.15	−·07	58	56	− 2	Z	0	0	*	b	*	64	57	—
	Berlin	30.14	71	NW	1	b	30.17	−·04	64	59	+ 1	SE	2	b	*	b	*	77	59	—
	Wiesbaden	*	*	*	*	*	30.13	−·08	64	60	+ 3	SW	1	b	*	*	*	79	57	—
	Munich	30.24	66	E	1	b	30.24	−·06	69	64	+ 10	W	3	b	*	b	*	77	55	—
FRANCE & NETHERLANDS	The Helder ...	30.19	64	NE	2	b	30.19	−·14	67	64	+ 6	E	1	b	0	b	*	66	59	—
	Brussels	*	*	*	*	*	30.10		71	66		Z	0	c	*	b	*	82	59	—
	C. Gris Nez ...	30.13	66	E	3	c	30.08	−·10	73	69	+ 11	SE	1	m	0	c	*	73	61	—
	Paris	30.09	78	NE	1	0	30.08	−·07	70	64	+ 5	E	1	b	*	0	*	87	63	—
	Brest	30.02	72	SE	1	b	30.06	+·03	64	64	− 4	SW	1	m	1	b	*	87	61	—
	Lorient	30.04	75	SSW	1	b	30.04	−·01	68	67	0	W	2	0	2	b	*	86	61	—
	Rochefort	30.00	82	SW	3	bc	30.06	+·02	73	70	+ 1	SSW	2	0	*	c,bc	*	97	72	—
	Belfort	30.07	79	W	1	b	30.14	−·03	72	66	+ 9	Z	0	m	*	b	*	86	60	—
	Lyons	30.08	83	S	2	b	30.14	·00	68	65	− 3	S	1	c	*	b,tl	*	91	65	—
	Nice	30.19	75	S	2	bc	30.17	+·07	75	63	+ 4	E	1	bc	0	bc	*	82	66	—
	Perpignan	30.08	79	E	2	c	30.14	+·02	74	73	− 1	NE	1	0	*	c	*	85	71	—
	Biarritz	29.95	79	NE	4	b	30.01	+·08	73	69	− 4	SE	2	0	2	blrh	*	93	72	0.51
SPAN. PEN.	Corunna																*			
	Lisbon														*		*			
	Azores (P. Delgada)	30.19	73	SSW	5	bc	30.12	−·08	73	71	+ 1	WSW	4	0	4	bc	*	77	68	0.08

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 7·9 *hrs.*

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FOR Tuesday, 15th August, 1899.

BAROMETER, WIND AND SEA.

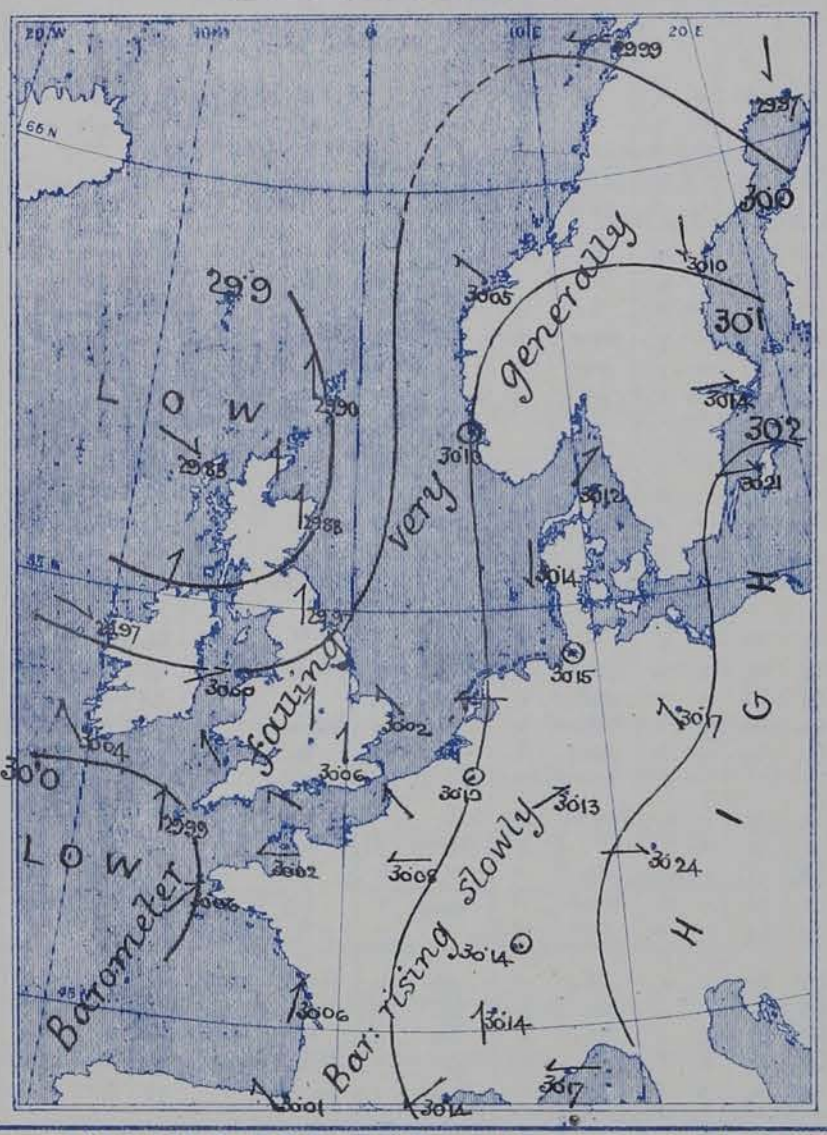
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

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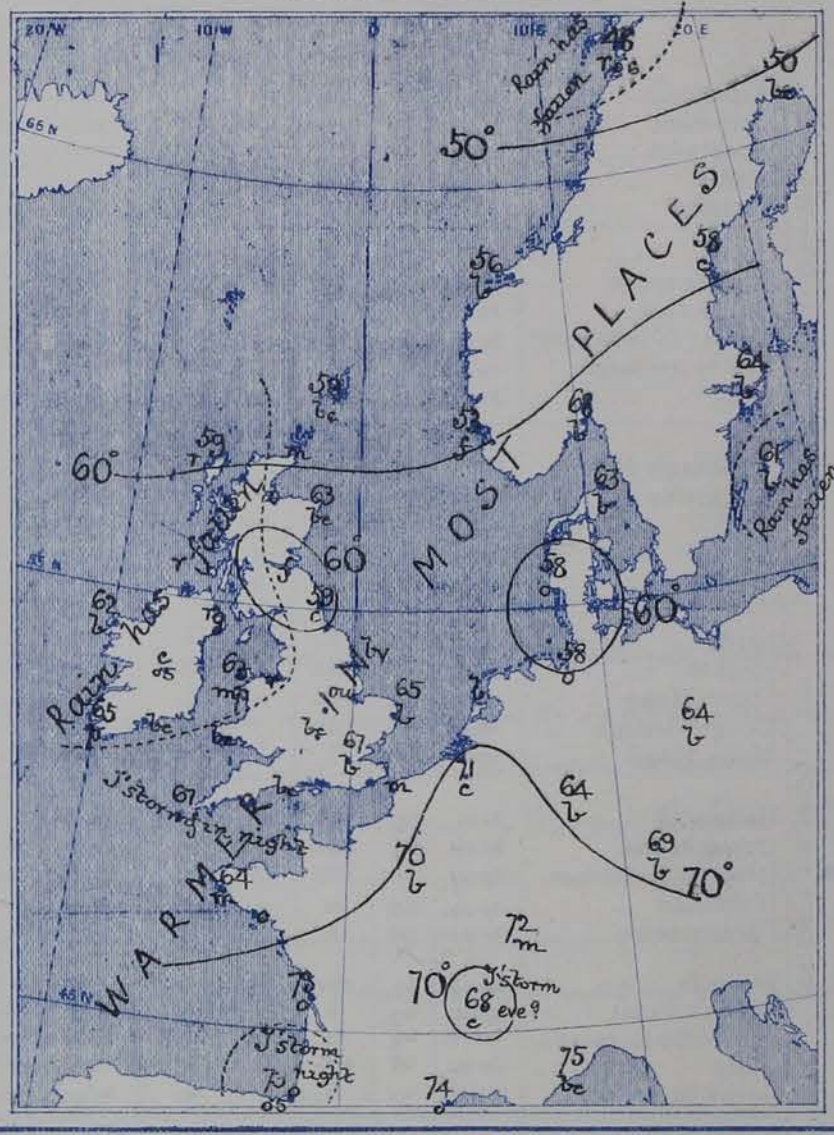

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29.923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and more to 30.1 ins. over central Europe the Baltic & the S.rn half of Scandinavia.
Lowest (1) 30.0 ins. and less off the SW. of our Islands, (2) 29.9 ins. and less over Scotland, the Hebrides & Orkneys.
Gradients slight, but very irregular.
Barometer falling generally, most in the N. and W.

TEMPERATURE

Highest 75° to 68° over France and the Channel, 67° in London and at Scilly, 65° at Valencia.
Lowest 48° at Bodo, 50° at Haparanda, 59° at Stornoway and Wick, 60° at Malin Hd.
It was rising generally over England and Scotland. The maxima recorded yesterday were 76° at Parsonstown, 78° at Loughborough, 79° in London, 82° at Brussels 81° at Paris 91° at Lyons and 93° at Biarritz.

WIND

S. to W. in Scotland, light; S. to E., and variable, in the southern parts of England and Ireland; S. over France, W. over Sweden.

WEATHER

Still fine over the Continent generally and the E.rn parts of England, much less fair in the W and N. than of late, and rainy at many of the NW.rn stations.
Thunderstorms have occurred already in the S of France and the SW. of England, and seem inclined to become more general. Rain has fallen at Biarritz, as well as over Ireland and the NW. of Norway. Bright Sunshine recorded yesterday exceeded 10 hours in many places, and amounted to 12 hrs. at Parsonstown and on the SE. coast of England.

SEA

Moderate at Spurn Hd., slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Rather unsettled weather is probable, and thunder in many places.

FORECASTS

For the 24 hours ending at NOON on 16TH AUGUST 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW. to NW. breezes, light; cloudy, some showers.
1 SCOTLAND EAST	
2 ENGLAND N.E.	S. to SW. and variable breezes, light, fair as a whole, but not settled.
3 ENGLAND EAST	Same as No. 5.
4 MIDLAND COUNTIES	Same as No. 2.
5 ENGLAND SOUTH	S. and SE. breezes, light, fair and very warm at first, unsettled, perhaps thundery later.
6 SCOTLAND WEST	Same as Nos. 0 and 1.
7 ENGLAND N.W.	SW. to NW. breezes, light, changeable, probably some rain.
8 ENGLAND S.W.	Same as No. 5.
9 IRELAND NORTH	Varying light breezes, thunder-showers in places.
10 IRELAND SOUTH	
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·22	63	61	NNW	6	b	2
Sumburgh Head	30·15	58	56	SW	2	c	2
Stornoway... ...	30·05	71	65	SSE	3	b	3
Aberdeen	30·16	63	59	SSE	3	bm	2
Shields	30·16	65	62	ESE	3	b	2
Malin Head ...	30·06	69	64	E	1	bc	1
Belmullet	30·05	73	65	WSW	1	b	*
Holyhead	30·11	67	63	NW	1	bc	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·04	73	66	S	2	bm	3
Scilly	30·04	69	65	ESE	4	b	1
Jersey	30·08	76	68	ESE	1	bc	1
Portland Bill ...	30·12	68	65	ESE	4	c	3
Dungeness ...	30·14	71	67	ENE	4	b	4
London (Westminster)	30·15	72	64	E	3	bc	*
Yarmouth ...	30·19	65	62	ENE	3	bc	3
Rochefort ...	30·03	90	77	W	1	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning still fine and bright over central Europe, France and our Islands—but temporarily dull and misty in some parts of Gt. Britain; dull in the N. of Russia, but fine in the S. Rain coming on later in parts of Scandinavia, in Ireland and the Hebrides, and also at Biarritz; thunderstorms occurring over the SW. of England and the S. of France—general appearance less settled than of late.

Temperature highest 82° at Algiers, 80° at La Calle, and above 70° over the Mediterranean, Greece and Turkey generally; above 60° over the N. of France and NW. of Germany, as well as in the S and W. of our Islands. Lowest 46° at Archangel, 47° at Ulcaborg, 50° at Bodo; 53° at Aberdeen, 54° at Wick, 55° at Shields; 55° to 60° in many parts of Cntl. Europe. Rising later to 72° at Faerder and Stornoway to 74° at Liverpool, 76° at Parsonstown, 82° at Brussels, 91° at Lyons, and 93° at Biarritz.

Wind (1) still NW. lly over Russia, N. lly over Sweden; (2) E. lly to S. lly over our Islands and the English Channel; (3) very variable over France and central Europe; (4) cyclonic over the Mediterranean and Adriatic. Becoming much more S. lly over the western and northern parts of the British Islands and the change spreading.

Barometer highest 30.3 ins. to 30.2 ins. over central Europe, and exceeding 30.2 ins. over the North Sea and SW. of Norway. Lowest (1) 29.7 ins. and less over the NE. of Russia; (2) 30.0 ins. and less over the Sthn. part of the Bay of Biscay; (3) Below 30.1 ins. off the W. and NW. coasts of the British Islands. The Atlantic low-pressure areas spreading Ewds. later and appearance becoming less fair over the British Islands generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France, at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 16th August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda ...	29.91	47	N	0	b	29.81	-.16	56	52	+6	SSE	2	c	*	b	*	61	43	-
	Hernösand ..	29.97	53	N	0	b	29.73	-.37	57	54	-1	S	2	0	*	b	*	66	46	-
	Stockholm ...	30.08	62	SSW	4	b	29.85	-.29	67	61	+3	SW	4	b	*	b	*	77	54	-
	Wisby ...	30.06	62	S	6	b	29.93	-.28	64	60	+3	SSW	4	b	*	b	*	68	52	-
	Karlstad ...	29.97	66	SW	2	bc	29.82	-.30	60	57	-4	WSW	2	0	*	bc	*	*	*	-
	do ...	29.81	50	SW	4	r	29.65	-.34	56	53	+8	E	2	bc	1	r	*	?	46	0.35
	Christiansund ...	29.83	55	N	2	f	29.56	-.49	55	53	-1	E	1	0	2	f	*	63	54	0.04
	Skudesnaes ...	29.94	58	S	6	0	29.77	-.33	58	56	+5	W	7	c	4	c.o	*	58	52	*
	Færder (X'iania Fjord)	29.97	60	SW	4	0	29.77	-.33	62	60	-6	WSW	3	m	3	0	*	68	59	-
	The Scaw (Skagen)	30.01	59	WNW	1	m	29.85	-.27	58	57	-5	WSW	2	r	0	m	*	68	55	0.08
	Fanö ...	30.03	56	N	0	b	29.91	-.23	61	61	+3	W	2	r	*	b	*	68	55	0.08
BRITISH ISLANDS	Sumburgh Head ...	29.70	57	SW	2	rt	29.71	-.19	53	50	-6	W	4	c	5	m,tr	*	61	50	0.06
	Stornoway ...	29.79	56	WNW	7	0	29.84	+.01	57	56	-2	W	3	r	3	c.o	4.6	62	50	0.10
	Wick ...	29.80	50	SW	3	bc	29.85	+.03	60	57	+1	NW	4	bc	3	tr,bc	*	69	50	0.20
	Nairn ...	29.81	63	NW	3	0	29.91	+.08	60	60	-5	W	3	bc	1	0	*	70	50	0.14
	Aberdeen ...	29.80	68	SW	2	bc	29.93	+.05	63	54	0	SW	2	bc	1	p.c.bc	4.4	70	50	0.02
	Leith ...	29.87	64	W	3	c	30.02	+.10	61	54	+4	W	4	c	*	c	*	70	50	0.01
	Shields ...	29.92	69	W	3	c	30.05	+.08	56	53	-3	W	3	b	2	op,c	*	70	49	0.04
	Spurn Head ...	29.96	67	WNW	1	0	30.08	+.04	59	55	-6	NW	4	b	3	c.o	*	70	55	-
	Loughborough ...	29.96	68	NW	1	0	30.13	+.08	60	54	-4	W	2	bcw	*	c.tlp	*	82	52	0.13
	Malin Head ...	29.99	59	WNW	5	cp	30.02	+.12	57	54	-3	SW	5	c	3	bc,p,c	*	65	55	-
	Belmullet ...	30.11	61	WNW	1	b	30.08	+.11	62	58	0	WSW	5	0	*	o,b	*	64	50	-
	Donaghadee	29.99	65	W	4	bcp	30.12	+.17	57	54	-4	WNW	3	b	3	bcp	*	71	47	0.14
	Liverpool (Bidston)	29.99	64	WNW	1	c	30.13	+.13	59	53	-4	WNW	3	b	2	r.c	*	68	56	0.09
	Holyhead ...	30.01	66	W	1	c	30.15	+.15	62	57	-1	NW	1	b	1	pf,c	*	68	55	0.10
	Parsonstown ...	30.08	67	NW	1	bc	30.20	+.20	57	54	-5	SW	1	bc	*	bc	9.7	71	46	-
	Valencia ...	30.15	64	NNW	3	bcv	30.23	+.19	63	57	-2	NE	1	bcv	3	bcv	8.7	68	48	-
	Roche's Point ...	30.07	67	NNW	4	b	30.22	+.21	60	55	-3	NNW	1	b	2	b	*	71	52	-
	Pembroke (St. Ann's Hd.)	30.01	66	NW	2	b	30.18	+.17	61	56	-4	NNE	3	b	2	b	4.4	69	56	-
	Scilly ...	30.03	70	NW	3	c	30.16	+.17	65	62	-2	N	3	bc	0	c	1.9	72	61	-
	Jersey (St. Aubin's) ...	30.02	65	N	3	f	30.10	+.08	65	65	-10	NNW	3	of	3	b,f	*	76	62	-
	Portland Bill ...	30.01	68	N	1	c	30.12	+.10	65	62	-3	NNE	1	c	2	c	*	73	57	-
	Dungeness ...	29.95	72	SW	2	c	30.07	+.03	67	65	-5	NNE	3	c	2	tlr.c	*	78	60	-
	London (Brixton) ...	29.94	75	NNW	2	0	30.13	+.07	65	60	-2	NE	1	og	*	bc.ocl	4.5	89	60	-
	Oxford ...	30.00	63	SE	1	r	30.15	+.10	60	56	-5	N	2	c	*	tlr,l	*	84	57	0.87
	Yarmouth ...	29.93	68	SE	2	bc	30.08	+.01	64	59	-1	NW	3	b	3	b,tlr	*	70	60	0.14
GERMANY.	Cuxhaven ...	29.98	66	SE	1	b	29.90	-.25	64	62	+6	NW	1	r	*	b	*	68	58	-
	Berlin ...	30.06	73	SE	1	b	29.95	-.22	66	60	+2	SSE	2	c	*	b	*	81	63	-
	Wiesbaden ...	*	*	*	*	*	30.02	-.11	71	66	+7	SW	1	bc	*	*	*	84	64	-
	Munich ...	30.17	66	SW	2	b	30.18	-.06	63	63	-6	SW	2	r	*	b	*	81	61	0.47
FRANCE & NETHERLANDS.	The Helder ...	29.98	71	E	1	b	29.97	-.12	66	65	-1	NW	2	bc	1	b	*	77	64	0.39
	Brussels ...	*	*	*	*	*	30.06	-.04	66	64	-5	WNW	1	b	*	t	*	87	61	0.12
	C. Gris Nez ...	29.97	73	W	1	bc	30.07	-.01	68	64	-5	NE	1	m	1	bc	*	84	63	0.04
	Paris ...	30.02	79	SE	2	t	30.08	.00	71	68	+1	ESE	1	bc	*	t	*	84	64	0.04
	Brest ...	30.06	69	N	1	c	30.14	+.08	64	64	0	N	1	m	1	c	*	75	59	-
	Lorient ...	30.08	71	N	2	c	30.12	+.08	65	63	-3	NE	2	0	2	c	*	86	64	-
	Rochefort ...	30.03	77	NW	1	c	30.06	.00	72	60	-1	NNW	3	0	*	o,c	*	88	68	-
	Belfort ...	29.97	76	W	3	0	30.10	-.04	66	65	-6	W	2	m	*	0	*	69	64	-
	Lyons ...	30.02	81	S	1	t	30.15	+.01	68	66	0	W	1	c	*	t	*	92	62	0.12
	Nice ...	30.12	73	SW	2	b	30.09	+.08	75	64	0	E	2	bc	1	b	*	84	66	-
	Perpignan ...														*		*			
	Biarritz ...	29.96	82	E	3	0	30.06	+.05	70	67	-3	SE	2	b	2	o,tlr	*	84	64	0.63
SPAIN & PORTUGAL.	Corunna ...																*			
	Lisbon ...														*		*			
	Azores (P. Delgada)	30.14	72	NNW	2	c	30.13	+.01	70	68	-3	NW	2	c	3	c	*	77	68	-

For Explanation of Columns, see bottom of last page. *+ Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 3.0 *hrs.*

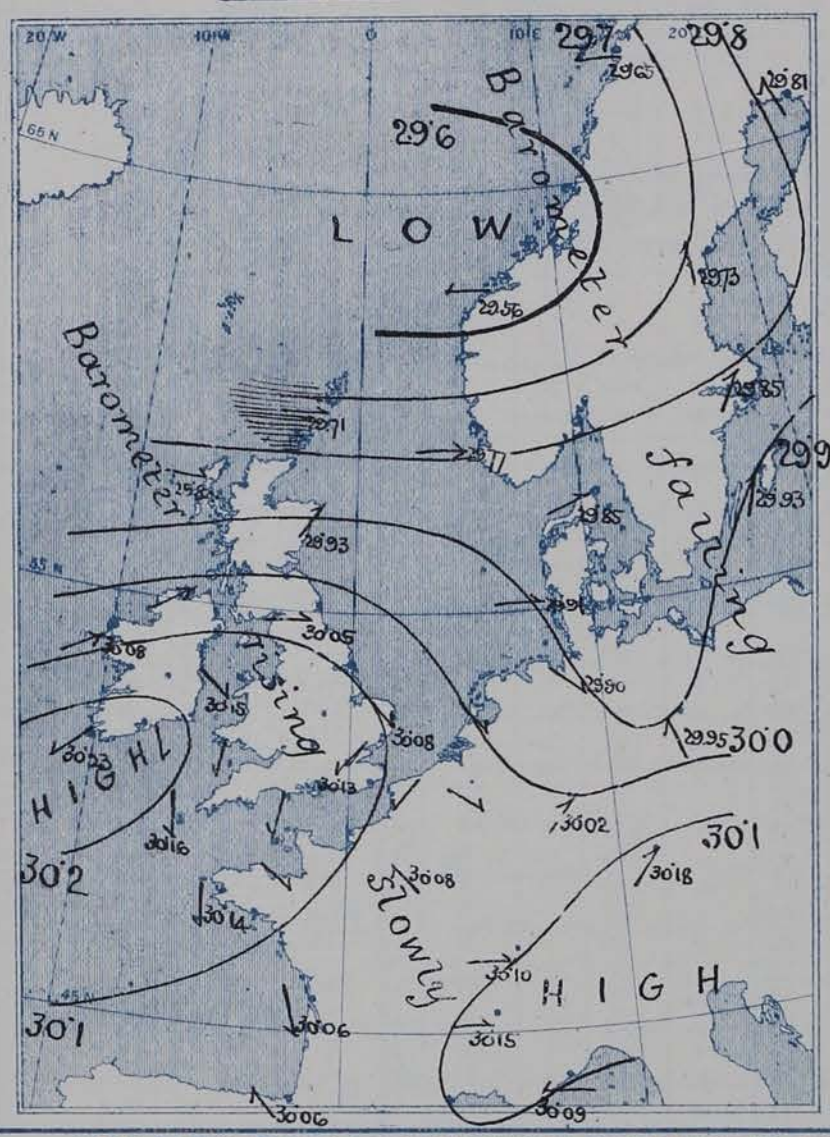
WEATHER CHARTS

FOR Wednesday, 16th August, 1899.

BAROMETER, WIND AND SEA.

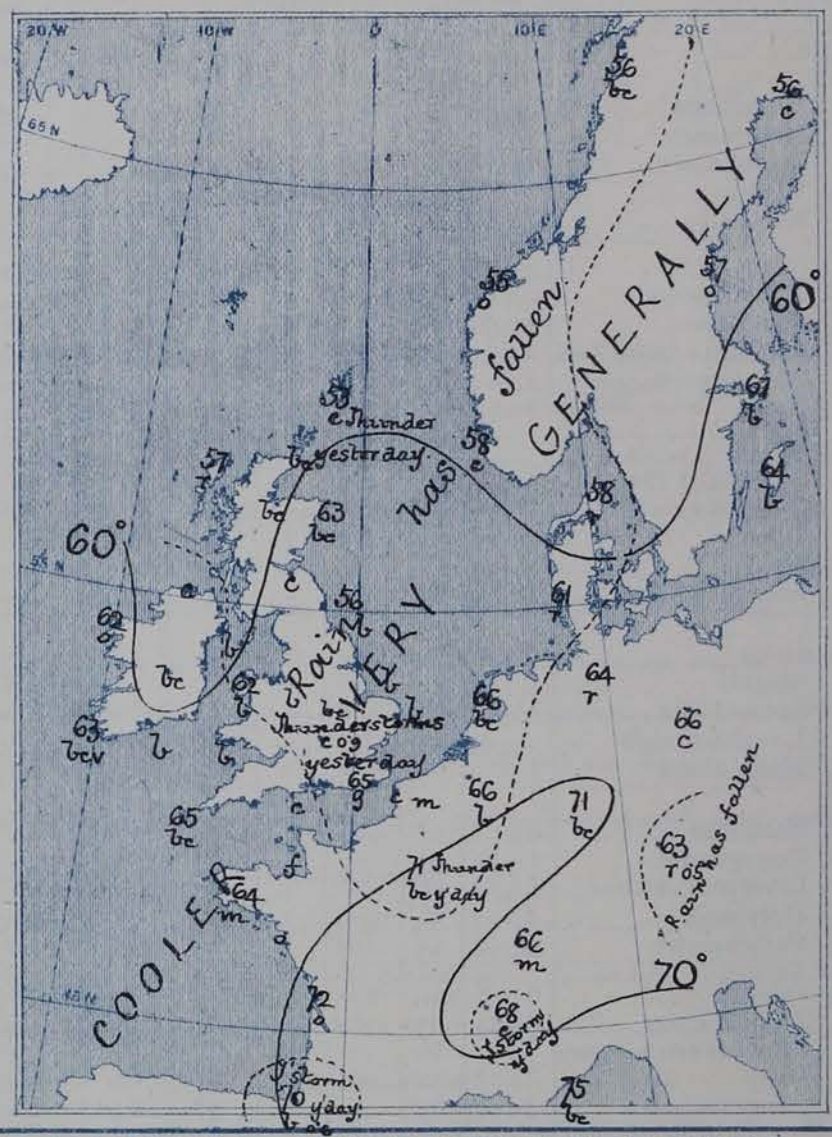
BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ :
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29·923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·23 in: at Valencia, and varying from 30·2 in: and more to 30·0 in: all over Ireland, England and France.
Lowest, 29·6 in: and less, to 29·7 in: in Norway.
Gradients slight. Barometer rising over our Islands generally.

TEMPERATURE

Highest, 75° to 68° in the southern parts of France, 71° at Paris, 65° in London and at Scilly, 63° at Valencia.
Lowest, 53° at Sumburgh Head, 54° at Hernosand, 57° at several stations in Ireland.
It rose during yesterday to 82° at Loughborough, 84° at Oxford, 89° in London; to 84° at Wiesbaden and Paris, 88° at Rochefort and 92° at Hyeres. In London it did not go below 60° all night.

WIND

Moderate from W. and SW. at our northern and northwestern stations, light from N. and NE. in the south.
In the south of Scandinavia it is SW. and in the north E.
A whirlwind passed over the southwestern and southern suburbs of London last evening between 4·30 and 5pm.

WEATHER

Fine generally except at Stornoway where rain is falling.
Thunderstorms of considerable severity occurred in many parts of our Islands yesterday, but in most places the rain was not heavy. In some parts of Buckinghamshire and Oxfordshire, however, the rain and hail were both heavy.
In London the sky was unusually angry looking for a time, but only a little lightning occurred. Bright Sunshine recorded yesterday was from 10 to 13 hours on our southeast coasts, less elsewhere, only 1·9 hrs at Scilly.

SEA :

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The appearance is again favourable for fine weather, especially over England and France.

FORECASTS

For the 24 hours ending at NOON on 17TH AUGUST, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W. breezes, moderate to light; fair as a whole.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	NE. and E. breezes, light; fine, warm.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos. 0 to 2.
7 ENGLAND N.W.	
8 ENGLAND S.W.	Same as Nos. 3 to 5.
9 IRELAND NORTH	SW. to W. winds, light; fine.
10 IRELAND SOUTH	Same as Nos. 3 to 5.
WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·05	58	57	S	2	c	2
Sumburgh Head	29·74	57	56	S	2	m	3
Stornoway... ...	29·76	62	59	WSW	6	c	6
Aberdeen	29·84	66	62	SSW	3	c	3
Shields	29·94	66	65	SW	1	op	2
Malin Head ...	29·94	62	59	WNW	5	bc	3
Belmullet	30·12	62	57	N	3	c	*
Holyhead	30·01	67	64	NW	1	bc	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force	WEA.	SEA
Valencia	30·10	67	60	NNW	4	bcv	4
Scilly	30·02	71	68	N	1	c	0
Jersey	30·06	73	68	NNW	3	b	3
Portland Bill ...	30·01	72	69	SSW	1	c	2
Dungeness ...	30·00	75	71	E	2	tlr	1
London (Westminster)	29·96	88	72	WSW	2	bc	*
Yarmouth ...	30·00	69	66	SE	3	b	3
Rochefort ...	30·05	84	77	SSW	2	0	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday 17th August, **1899.**

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda ...	29.67	56	SSE	2	c	29.47	−.34	55	54	−1	SE	4	r	*	c	*	61	43	0.08
	Hernösand ...	29.51	60	S	4	r	29.45	−.28	57	53	0	Z	0	b	*	r	*	64	41	0.04
	Stockholm ...	29.67	60	Z	0	0	29.52	−.33	59	55	−8	SW	4	0	*	0	*	75	57	0.04
	Wisby ...	29.73	63	NNW	4	b	29.63	−.30	58	54	−6	WNW	8	0	*	b	*	73	55	—
	Karlstad ...	29.60	61	SSW	4	b	29.49	−.33	55	51	−5	SSW	2	r	*	b	*	*	*	0.08
	Bodö ...	29.41	57	Z	0	c	29.39	−.26	54	52	−2	Z	0	c	1	c	*	59	52	0.55
	Christiansund ...	29.55	54	WNW	3	r	29.48	−.08	54	51	−1	Z	0	0	1	r	*	57	52	0.59
	Skudesnaes ...	29.75	56	SSW	4	0	29.41	−.36	55	54	−3	Z	0	0	3	0	*	58	52	*
	Færder (X'iania Fjord)	29.63	65	W	4	b	29.37	−.40	58	55	−4	SSE	6	0	4	b	*	65	54	0.04
	The Scaw (Skagen)	29.75	57	W	7	c	29.41	−.44	57	55	−1	SW	5	m	1	c	*	63	55	0.55
	Fanö ...	29.92	59	W	4	c	29.64	−.27	60	57	−1	W	8	c	*	c	*	66	59	0.04
BRITISH ISLANDS	Sumburgh Head ...	29.44	53	SSE	3	r	29.61	−.10	51	49	−2	NW	6	0	5	r	*	58	48	0.58
	Stornoway ...	29.68	53	NW	9	r	29.89	+.05	54	53	−3	NW	5	c	5	o.r	1.4	62	48	0.40
	Wick ...	29.44	57	NW	5	c	29.81	−.04	53	51	−7	NW	7	bc	5	c.fp	*	62	49	0.30
	Nairn ...	29.47	60	W	4	c	29.87	−.04	57	52	−3	W	2	0	3	c	*	67	50	0.03
	Aberdeen ...	29.57	60	SSW	5	bcq	29.80	−.07	56	52	−7	W	4	cq	2	rgq.bcq	7.3	65	50	0.02
	Leith ...	29.73	61	W	4	bc	29.94	−.08	61	59	0	W	4	bc	*	bc	*	65	53	—
	Shields ...	29.86	61	SSW	4	op	29.96	−.09	59	57	+3	W	3	c	2	c,op	*	67	53	0.06
	Spurn Head ...	30.00	65	W	5	bc	30.00	−.08	62	58	+3	W	6	c	4	bc	*	67	57	—
	Loughborough ...	30.07	68	WSW	3	c	30.12	−.01	60	55	0	W	3	c	*	bc,c,oc	*	72	55	—
	Malin Head ...	29.89	60	WNW	6	cpq	30.06	+.04	58	56	+1	NW	5	cpq	4	o.cpq	*	61	57	—
	Belmullet ...	30.09	61	WNW	3	op	30.20	+.12	61	57	−1	W	2	0	*	o.p	*	66	56	0.04
	Donaghadee ...	29.95	65	W	5	cpq	30.09	−.03	58	54	+1	WNW	3	bc	3	cpq	*	66	53	0.03
	Liverpool (Bidston) ...	30.05	65	SW	3	bc	30.12	−.01	59	55	0	WSW	5	0	4	bc	*	67	56	0.02
	Holyhead ...	30.08	62	SW	4	c	30.16	+.01	61	57	−1	W	4	cp	3	c	*	64	55	0.01
	Parsonstown ...	30.12	63	W	1	0	30.23	+.03	62	58	+5	W	1	c	*	c.op	5.5	67	54	0.02
	Valencia ...	30.22	66	WSW	4	0	30.28	+.05	65	62	+2	WNW	2	0	4	c.o	6.7	68	61	—
	Roche's Point ...	30.18	66	NW	3	c	30.27	+.05	65	61	+5	NNW	4	c	3	c	*	69	59	—
	Pembroke (St. Ann's Hd.)	30.17	64	WNW	4	bc	30.21	+.03	63	60	+2	NW	3	bc	2	bc	11.4	64	60	—
	Scilly ...	30.27	66	NW	4	bc	30.24	+.08	67	63	+2	NW	3	bc	0	bc	13.3	68	59	—
	Jersey (St. Aubin's) ...	30.12	70	SW	3	bm	30.23	+.13	66	63	+1	WNW	2	b	2	b.bm	*	75	58	—
	Portland Bill ...	30.13	67	NW	5	bc	30.19	+.07	64	62	−1	NW	4	c	3	b.bc	*	74	56	—
	Dungeness ...	30.08	68	E	2	bc	30.11	+.04	66	60	−1	NNW	3	c	3	c.bc	*	73	54	—
	London (Brixton) ...	30.07	73	NW	2	bc	30.14	+.01	64	55	−1	NW	4	bc	*	bc.b	7.3	79	56	—
	Oxford ...	30.12	63	W	3	c	30.16	+.01	61	57	+1	NW	2	c	*	c	*	73	56	—
	Yarmouth ...	30.05	64	SE	3	b	30.04	−.04	62	55	−2	WNW	4	b	3	b	*	67	55	—
GERMANY	Cuxhaven ...	29.98	63	NNW	3	b	29.81	−.09	60	58	−4	W	5	0	*	b	*	68	57	0.16
	Berlin ...	29.92	73	Z	0	b	29.89	−.06	64	61	−2	SW	4	c	*	b	*	82	61	—
	Wiesbaden ...	*	*	*	*	*	?	?	67	63	−4	N	2	bc	*	*	*	84	63	—
	Munich ...	30.16	64	SW	4	c	30.12	−.06	66	62	+3	SW	5	b	*	c	*	73	57	0.04
FRANCE & NETHERLANDS	The Helder ...	30.03	64	NW	2	bc	29.96	−.01	62	57	−4	NW	4	bc	3	bc	*	66	59	—
	Brussels ...	*	*	*	*	*	30.08	+.02	65	60	−1	WNW	3	c	*	c	*	78	55	—
	C. Gris Nez ...	30.10	68	ESE	1	bc	30.11	+.04	62	60	−6	N	2	bc	1	bc	*	72	59	—
	Paris ...	30.04	82	NNE	2	bc	30.13	+.05	66	63	−5	W	1	b	*	r	*	85	62	—
	Brest ...	30.19	67	N	3	bc	30.27	+.13	61	60	−3	N	1	b	1	b	*	72	54	—
	Lorient ...	30.12	75	NNE	4	bc	30.25	+.13	60	58	−5	N	5	b	4	bc	*	82	57	—
	Rochefort ...	30.04	73	NW	4	bc	30.16	+.10	66	64	−6	N	3	b	*	c,bc	*	84	64	—
	Belfort ...	30.01	74	Z	0	m	30.03	−.07	65	61	−1	SW	3	m	*	m	*	85	59	—
	Lyons ...	30.06	76	N	1	0	30.10	−.05	66	65	−2	W	1	r	*	o,zlr	*	82	65	0.04
	Nice ...	30.05	72	Z	0	c	30.01	−.08	76	69	+1	Z	0	c	1	c	*	84	66	—
	Perpignan ...	30.04	76	NW	2	0	30.09		72	64		NW	3	0	*	0	*	83	69	0.28
	Biarritz ...	30.05	74	WSW	4	bc	30.12	+.06	72	68	+2	WNW	4	0	2	bc	*	77	70	0.04
SPAN. PEN.	Corunna ...																			
	Lisbon ...	30.08	76	NNW	5	b	30.09	+.01	77	69	+3	N	4	bc	*	b	*	86	72	—
	Azores (P. Delgada)	30.16	72	WNW	1	c	30.15	+.02	74	70	+4	NW	1	c	2	c	*	79	66	0.04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 9.6 *hrs.*

WEATHER CHARTS

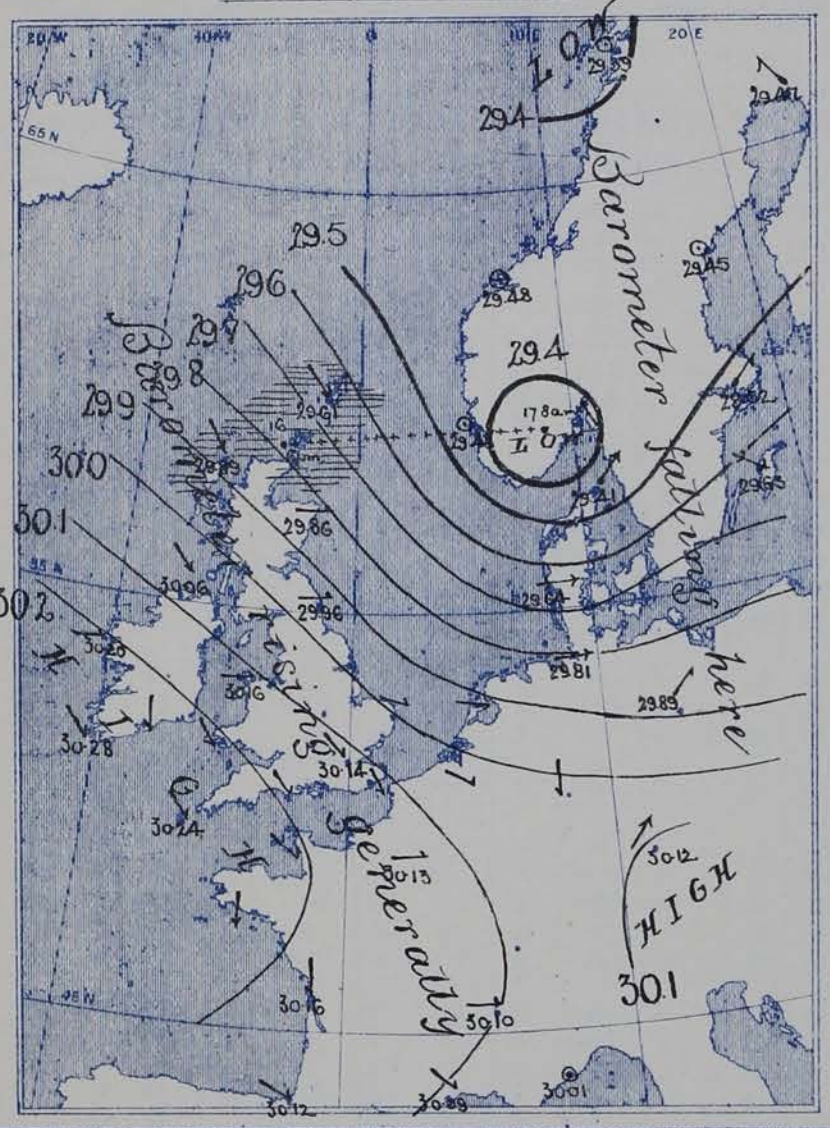
FOR Thursday, 17th August, 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

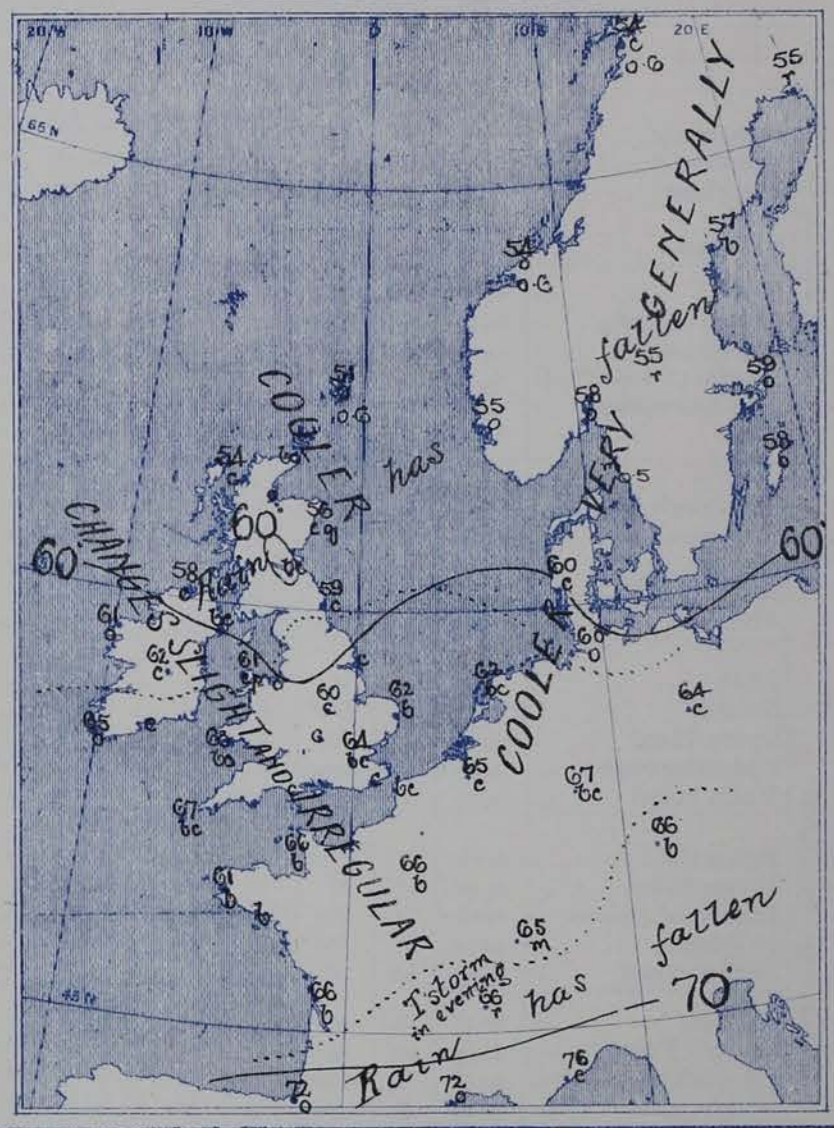
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29·923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and more over all the SW^rn. parts of our Islands, Brittany & the Bay of Biscay.
Lowest 29.4 ins. and less in a well marked depression lying over the S. of Norway.
Gradients steep over the North Sea, slight over Norway, and also over the SW^rn. parts of our area.
Barometer rising over the United Kingdom as a whole, but more in the NE. than elsewhere.

TEMPERATURE

Highest 76° to 72° over the Riviera, 68° at Paris 67° at Scilly, 66° at Dungeness.
Lowest 51° at Dumbugh Hd., 53° at Wick, 54° at Stornoway, 56° at Aberdeen, 59° at Shields and Liverpool.
The maxima recorded yesterday were all below 80° over our Islands. The actual values were 79° in London, 82° at Berlin, 85° at Paris and Belfort.

WIND

NW^ly. to W^ly. over our Islands and was blowing a gale to a strong breeze in Scotland and Ireland, but a moderate breeze in the south of England. Light breezes from W. were prevalent over France, and from N. and NW. over the Bay of Biscay.

WEATHER

Rainy in the N. of Scotland, squally and slightly showery in the N^rn. parts of Ireland and England, fine on the Continent.
The rainfall has been considerable in Norway and the N. of Scotland, trifling elsewhere. Some fall has occurred also in the SW. of France.
Bright Sunshine recorded yesterday exceeded 10 hrs. in the SW. of England only. At Stornoway it was only 1.4 hrs.

SEA

Rough in the N., moderate or slight in most other places.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Moderating NW^ly. winds are probable, subsequently backing to SW., and fine weather except in the N.

FORECASTS

For the 24 hours ending at NOON on 18th. AUGUST. 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
↓ 0 SCOTLAND NORTH	NW^ly. winds, strong to moderate, showery, then SW^ly., and temporarily finer.	↓ 6 SCOTLAND WEST	Same as No^s. 0 and 1.
↓ 1 SCOTLAND EAST		7 ENGLAND N.W.	Same as No. 2.
2 ENGLAND N.E.	W^ly. and NW^ly. winds, falling light; fine.	8 ENGLAND S.W.	Same as No. 5.
3 ENGLAND EAST	Same as No. 5.	9 IRELAND NORTH	Same as No^s. 0 and 1.
4 MIDLAND COUNTIES	Same as No. 2.	10 IRELAND SOUTH	
5 ENGLAND SOUTH	NW^ly. breezes, light; fine.	WARNINGS	At 3.45 pm. yesterday to district 0, 1 and 6 Hoist South Cone.

Note.—The **South Cone,** *point downwards* (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.86	58	51	W	6	o	4
Sumburgh Head	29.65	55	55	SW	3	r	4
Stornoway... ...	29.51	62	57	WSW	7	o	7
Aberdeen	29.78	56	52	S	5	ogq	3
Shields	30.00	67	61	WSW	3	c	2
Malin Head ...	29.85	61	60	WSW	6	o	4
Belmullet	30.06	65	62	W	5	o	*
Holyhead	30.13	63	57	SW	3	c	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30.23	67	62	WSW	5	c	5
Scilly	30.21	66	61	NNW	3	bc	0
Jersey	30.14	74	67	NNW	3	b	3
Portland Bill ...	30.14	69	65	WNW	3	b	2
Dungeness ...	30.09	72	66	ESE	3	c	2
London (Westminster)	30.09	76	64	NE	2	bc	*
Yarmouth ...	30.07	67	60	NNE	3	b	3
Rochefort ...	30.09	81	73	WSW	2	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine over the Continent and the greater part of the British Islands, but rainy at the Danish stations, and also at Stornoway. Considerable rain later both in the N. of Scotland and the S. of Norway and smaller quantities over Scandinavia and the NW. and N. of our Islands generally. Some fall also over the Sn. parts of France and in parts of Germany.

Temperature highest 85° at Algiers, 80° at Barcelona, and much above 70° over many parts of the Mediterranean, the Adriatic and SEn. Europe; 60° and more over the Sn. parts of our Islands, N. Germany and the S. of Sweden. Lowest (1) 51° at Ulcaborg, 52° at Kuopio; 53° at Sumburgh H., 57° at Stornoway; (2) 57° at Lemberg, 58° at Breslau. Rising later to 67° at Naina and Parsonstown, to 72° at Loughborough, and 79° in London, to 82° at Berlin, 85° at Paris and Belfort.

Wind (1) Wn. over Scotland and the S. of Norway, Sn. in Sweden, SE. to E. in Lapland, (2) light and anticyclonic over Ireland, England, the Bay of Biscay and France; (3) very variable over Germany. Becoming strong to a strong gale from the Wnd. in Scotland later and attaining the force of a whole gale at Aberdeen.

Barometer. Highest (1) 30.23 ins. at Valencia, and exceeding 30.1 ins. over the greater part of Ireland, England and Brittany; (2) Exceeding 30.1 ins. also over the Sn. parts of France and also over Hungary and the S. of Russia. Falling fast in Scotland later as a small but well marked depression swept rapidly along the Nn. coast, on its way to Norway.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday, 18th August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda	29.38	53	S	4	c	29.38	-.09	57	55	+ 2	NE	2	0	*	c	*	57	46	0.24
	Hernösand	29.34	52	2	0	0	29.30	-.15	55	53	- 2	NE	2	c	*	0	*	63	48	0.39
	Stockholm	29.21	57	2	0	0	29.16	-.06	55	54	- 4	NW	6	0	*	0	*	64	52	0.04
	Wisby	29.31	59	S	10	bc	29.25	-.08	56	54	- 2	NNW	10	r	*	bc	*	64	54	0.16
	Karlstad	29.28	53	NNW	2	0	29.39	-.10	55	50	0	N	4	bc	*	r.bc	*	*	*	0.28
	Bodö	29.49	53	2	0	bc	29.50	+.11	53	50	- 1	N	4	0	1	bc	*	57	50	–
	Christiansund ...	29.51	53	NW	2	0	29.61	+.13	50	48	- 4	N	6	r	4	0	*	54	50	0.47
	Skudesnaes ...	29.62	53	NNW	6	0	29.69	+.28	54	54	- 1	NNW	4	r	3	r.0	*	54	50	*
	Færder (X'iania Fjord)	29.38	58	NNW	4	c	29.48	+.11	58	51	0	NW	4	0	3	c	*	59	52	0.35
	The Skaw (Skagen)	29.39	59	NNW	7	0	29.50	+.09	59	54	+ 2	NW	4	b	1	0	*	61	55	0.32
	Fanö	29.75	56	NNW	8	b	29.71	+.07	56	54	- 4	W	8	c	*	b	*	63	54	0.16
BRITISH ISLANDS	Sumburgh Head ...	29.72	51	NW	6	r	29.90	+.29	52	49	+ 1	NW	4	c	4	c.r	*	54	49	0.13
	Stornoway	30.00	56	NNW	4	0	30.08	+.19	54	49	0	NW	4	c	4	bc.0	9.0	59	45	0.02
	Wick	29.88	49	NW	7	c	30.03	+.22	54	51	+ 1	NW	5	bc	4	c	*	58	45	0.05
	Nairn	29.96	58	NNW	3	c	30.07	+.20	56	50	- 1	W	2	bc	2	c	*	63	47	–
	Aberdeen	29.95	56	W	5	bcq	30.04	+.18	54	49	- 2	WNW	6	bcq	4	bcqp	8.3	63	49	0.01
	Leith	29.99	60	W	3	c	30.08	+.14	55	54	- 6	W	2	0	*	c	*	66	50	–
	Shields	30.00	59	W	4	c	30.07	+.11	53	52	- 6	W	3	0	2	c	*	64	49	–
	Spurn Head ...	30.03	62	NNW	6	0	30.08	+.08	58	56	- 4	WNW	5	cq	4	0	*	65	57	–
	Loughborough ...	30.13	63	W	4	0	30.16	+.04	62	58	+ 2	WNW	3	c	*	cq,0,c	*	70	58	–
	Malin Head ...	30.10	58	NNW	4	0	30.07	+.01	60	60	+ 2	W	5	rf	5	rf,0	*	60	55	0.18
	Belmullet	30.22	63	NNW	3	c	30.21	+.01	64	62	+ 3	NSW	3	0	*	om.c	*	65	60	0.03
	Donaghadee ...	30.11	64	NW	4	cqq	30.13	+.04	58	58	0	SW	3	rq	2	cqq	*	65	55	0.06
	Liverpool (Bidston)	30.14	61	WSW	5	0	30.18	+.06	59	57	0	W	4	0	4	0	*	63	57	0.08
	Holyhead	30.18	62	SW	1	om	30.20	+.04	60	58	- 1	W	3	oap	2	c.om	*	66	57	–
	Parsonstown ...	30.22	65	W	1	0	30.25	+.02	62	60	0	SW	1	c	*	0	4.7	67	56	–
	Valencia	30.29	67	W	3	bcv	30.29	+.01	65	61	0	W	1	bcv	2	bcv	9.7	68	55	–
	Roche's Point ...	30.26	69	NNW	4	bc	30.30	+.03	65	61	0	NNW	3	b	3	bc	*	70	58	–
	Pembroke (St. Ann's Hd.)	30.21	67	NNW	4	b	30.25	+.04	63	61	0	NNW	3	b	2	b	10.4	67	60	–
	Scilly	30.27	68	WSW	1	b	30.27	+.03	68	64	+ 1	NNW	1	b	0	b	9.7	71	62	–
	Jersey (St. Aubin's) ...	30.24	69	W	3	b	30.27	+.04	66	63	0	WNW	3	bmw	3	bc.b	*	74	59	–
	Portland Bill ...	30.18	67	NNW	4	b	30.23	+.04	64	62	0	NW	4	c	2	bc.b	*	71	58	–
	Dungeness	30.12	73	NNW	3	bc	30.16	+.05	70	64	+ 4	WNW	4	c	3	bc	*	75	60	–
	London (Brixton) ...	30.12	71	NW	2	bc	30.18	+.04	66	60	+ 2	NW	2	bc	*	bc.0	9.5	75	57	–
	Oxford	30.16	65	NW	2	0	30.19	+.03	63	58	+ 2	WNW	3	bc	*	bc.0	*	73	56	–
	Yarmouth	30.05	67	NW	4	bc	30.07	+.03	62	56	0	NW	5	c	4	bc	*	70	57	–
GERMANY.	Cuxhaven	29.86	60	W	6	c	29.84	+.03	58	54	- 2	W	6	b	*	c	*	64	54	0.08
	Berlin	29.84	64	W	5	c	29.88	-.01	58	53	- 6	W	5	bc	*	c	*	72	54	–
	Wiesbaden	*	*	*	*	*	30.11	?	63	57	- 4	SW	3	0	*	*	*	75	61	–
	Munich	30.06	66	SW	4	bc	30.21	+.09	58	53	- 8	W	5	0	*	bc	*	81	55	0.04
NETHERLANDS.	The Helder ...	30.00	64	NNW	4	c	29.99	+.03	62	56	0	WNW	4	bc	3	c	*	64	61	–
	Brussels	*	*	*	*	*	30.11	+.03	62	59	- 3	WSW	3	c	*	0	*	70	53	–
	C. Gris Nez ...	30.14	68	W	4	bc	30.17	+.06	64	60	+ 2	NW	3	b	3	bc	*	72	59	–
	Paris	30.16	72	NW	3	b	30.21	+.08	61	59	- 5	E	0	b	*	b	*	78	55	–
	Brest	30.28	68	NNW	2	b	30.32	+.05	58	56	- 3	N	1	b	0	b	*	70	54	–
FRANCE	Lorient	30.23	73	N	4	bc	30.25	.00	59	57	- 1	NNE	2	bc	1	bc	*	62	55	–
	Rochefort	30.15	74	NW	4	b	30.20	+.04	66	63	0	NE	3	bc	*	bc	*	79	61	–
	Belfort	30.01	72	WSW	5	0	30.17	+.14	56	55	- 9	W	1	m	*	0	*	81	51	
	Lyons	30.07	74	NW	3	c	30.19	+.09	63	57	- 3	N	2	c	*	t.c	*	82	59	0.08
	Nice	29.99	68	E	5	r	29.84	-.17	72	65	- 4	E	0	b	1	tlr	*	82	64	0.08
	Perpignan	30.05	78	W	3	0	30.08	-.01	76	67	+ 4	N	2	b	*	0	*	84	71	–
	Biarritz	30.15	74	NW	3	c	30.15	+.03	68	66	- 4	SW	3	b	2	c	*	?	64	–
SPAN. PEN	Corunna																*			
	Lisbon														*		*			
	Azores (P. Delgada)	30.21	71	N	1	b	30.18	+.03	72	66	- 2	NNW	1	b	2	b	*	79	64	–

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 5·5 *hrs.*

WEATHER CHARTS

FOR Friday, 18th August, 1899.

BAROMETER, WIND AND SEA.

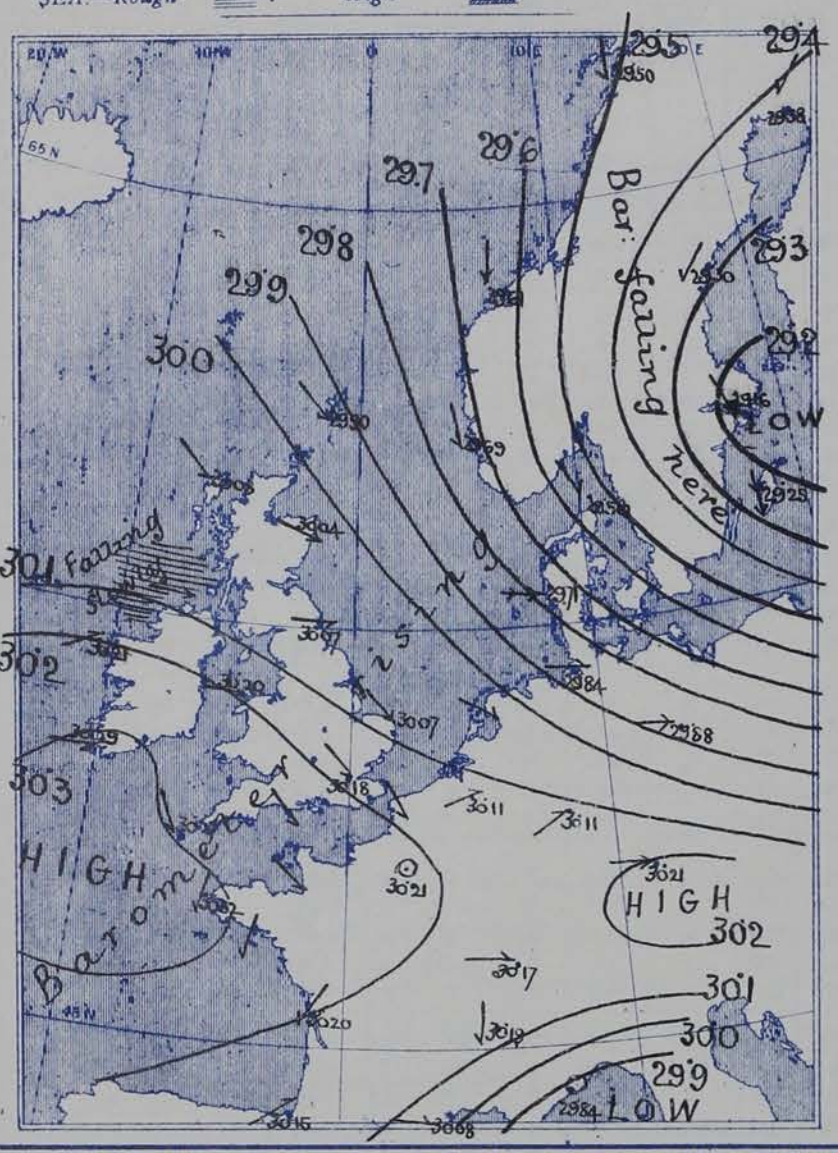
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ :

SEA.—Rough : *High*

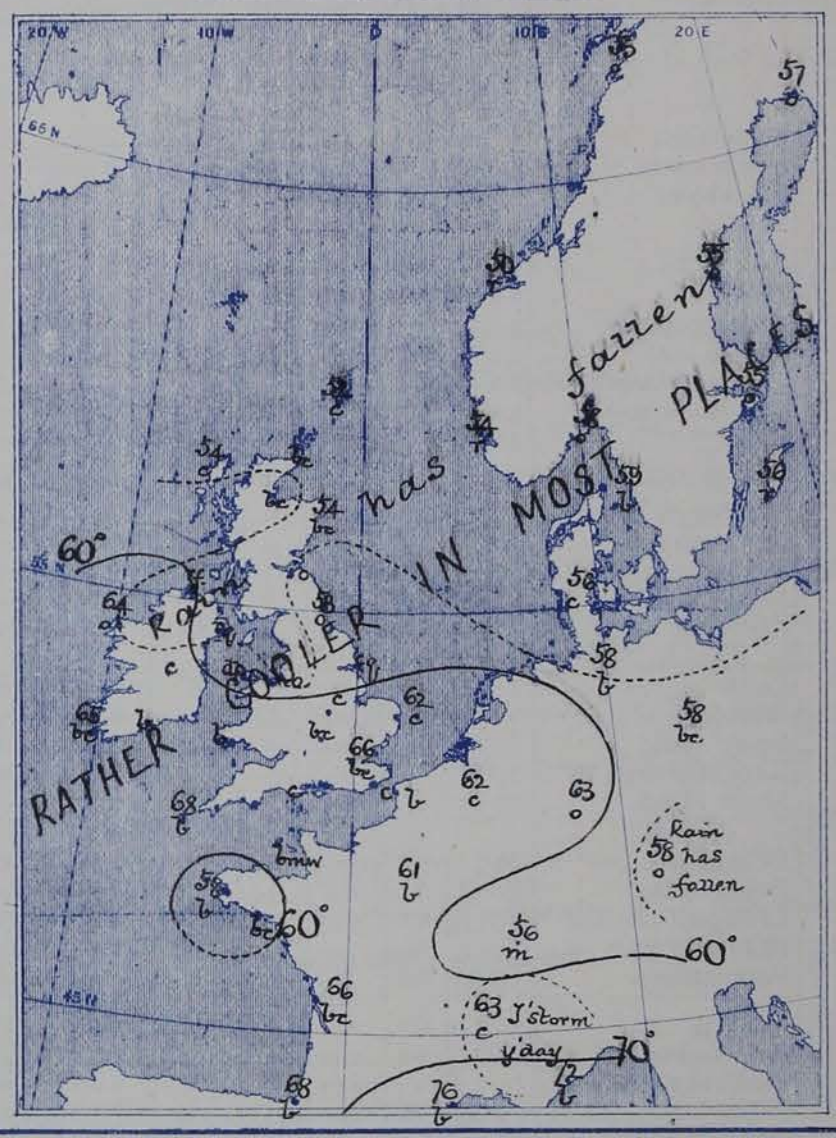


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR, 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29.923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in. to 30·2 in. over Ireland, the southwest of England, and the northwest of France.
Lowest, (1) 29·2 in. and less in a depression over the Baltic; (2) 29·9 in. and less over Gulf of Genoa.
Gradients rather steep for NW. winds over the Baltic and North Sea
Barometer inclined to fall again on our west and northwest coasts, rising in Norway and the northeast of Great Britain.

TEMPERATURE

Highest, 68° at Scilly and above 60° over all the more southern parts of our Islands.
Lowest, (1) 50° at Christiansund, 52° at Dunbeagh Hd., 54° at Stornoway, Aberdeen, and Shetlandnes; (2) 58° at Cuxhaven and Berlin.
The maxima recorded yesterday were 67° at Parsonstown, 70° at Loughborough, 75° in London; 72° at Berlin, 70° at Brussels, 82° at Orient and Lyons.

WIND

W. to NW. almost all over our area; strong to a gale over the eastern side of the North Sea, strong on our northeast coasts, moderate in the west and southwest.
It again blew with the force of a moderate gale at Wick last night.

WEATHER

Fine in the west and southwest of our Islands, showery, squally, and unsettled over the northern parts of the Kingdom, very unsettled over Scandinavia and the Baltic
The rainfall of the past 24 hours has been confined to our northwestern and northern stations, to Scandinavia, the Baltic, and the eastern shores of the North Sea
Bright Sunshine yesterday exceeded 12½ hrs on our southeast coasts, but was less in the north, and only 4·7 hrs at Parsonstown.

SEA

Moderate in the north and northwest and also in the east, slight generally elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A few more showers are probable in the north owing to the new secondary depression, after which a temporary clearance is probable. The general condition, however, is less settled than of late.

FORECASTS

For the 24 hours ending at NOON on 19th AUGUST, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	NW. winds, moderate; some slight showers.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SW. to NW. breezes, possibly a few showers, then finer, but less settled than of late.
6 SCOTLAND WEST 7 ENGLAND N.W.	Same as Nos. 0 to 2.
8 ENGLAND S.W.	NW. breezes, moderate; fair as a whole.
9 IRELAND NORTH	Same as Nos. 0 to 2.
10 IRELAND SOUTH	NW. breezes, moderate; fair.
WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.52	53	53	NNW	6	r	3
Sumburgh Head	29.68	52	51	NW	5	c	5
Stornoway... ...	29.97	59	54	NW	4	o	4
Aberdeen	29.90	58	52	W	6	bc qp	4
Shields	29.98	63	59	SW	5	c	2
Malin Head ...	30.10	57	57	W	5	r	3
Belmullet	30.21	63	61	W	5	o m	*
Holyhead	30.19	66	61	WSW	3	c	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30.29	67	63	W	4	bcv	5
Scilly	30.27	69	63	NNW	2	b	0
Jersey	30.26	72	65	W	3	bc	3
Portland Bill ...	30.20	71	67	W	3	bc	2
Dungeness ...	30.12	72	67	WSW	4	bc	3
London (Westminster)	30.13	75	62	WNW	2	bc	*
Yarmouth ...	30.04	69	59	WNW	4	bc	3
Rochefort ...	30.16	77	69	NW	4	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning rough and squally over Scotland, the northeast of England and the eastern shores of the North Sea, fair over England and Ireland, fine and bright over France. Continuing rough on our northeast coasts and over the North Sea all day, and becoming unsettled over the Baltic and Sweden, continuing fine over the greater part of France, but thunderstorms and some rain in the southern Departments.

Temperature fallen over Scandinavia and Scotland, not much changed elsewhere, but air drier than of late over England and the south of Ireland. Morning readings highest 81° at Algiers, Sfax, Cagliari, and Brindisi, 79° at Toulon and Trieste; considerably above 60° over France and the south and southwest of our Islands. Lowest 46° at Archangel, 54° in the northwest of Norway; 51° at Sumburgh Hd., 54° at Stornoway, 55° at Skudesnaes and Karlstad. Rising later to 70° at Loughborough, 75° in London and at Dungeness, 72° at Berlin, 78° at Paris, 82° at Lyons, 84° at Perpignan.

Wind strong from NW. over North Britain, a gale from W. at Fanö, an increasing wind from SW. over the Baltic, and from SE. at the northern extremity of the Gulf of Bothnia. Becoming still rougher and veering to NW. on the eastern shores of the North Sea later, and a gale setting in over the Baltic.

Barometer in morning highest 30·2 ins: and more over the southwest of our Islands and over Brittany. Lowest 29·4 ins: and less, in a depression over the south of Norway, and below 30·0 ins: over the north of the Adriatic. Rising later over our Islands and Norway. Depression deepening and travelling towards Sweden and the Baltic.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 19th August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.					Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda	29.44	58	E	4	0	29.51	+.13	53	50	−4	NNE	2	0	*	0	*	64	43	0.24
	Hernösand	29.34	52	E	0	c	29.41	+.11	55	53	0	N	4	0	*	c	*	61	46	0.47
	Stockholm	29.87	53	NW	4	b	29.40	+.24	53	50	−2	W	4	0	*	b	*	61	52	0.12
	Wisby	29.40	59	NW	6	c	29.46	+.21	57	54	+1	NNW	2	0	*	c	*	59	52	0.16
	Karlstad	29.48	55	NNW	4	0	29.52	+.13	53	48	−2	NW	6	0	*	0	*	*	*	0.12
	Bodö	29.62	53	N	5	c	29.75	+.25	52	49	−1	N	5	bc	2	c	*	54	50	–
	Christiansund ...	29.80	50	N	4	r	29.93	+.32	50	47	0	NW	5	r	4	r	*	50	46	0.43
	Skudesnaes ...	29.84	52	NNW	8	0	29.91	+.22	51	48	−3	NNW	6	b	4	c.o	*	57	48	
	Færder (X'iania Fjord)	29.55	63	NW	4	c	29.64	+.16	58	49	0	NW	4	0	3	c	*	63	57	–
	The Scaw (Skagen) .	29.58	61	NNW	3	c	29.67	+.17	59	53	0	N	4	bc	1	0	*	64	57	–
	Fanö	29.79	55	NW	8	c	29.84	+.13	58	51	+2	NW	8	c	*	c	*	61	54	c.24
BRITISH ISLANDS	Sumburgh Head ...	30.06	49	NW	4	c	30.11	+.21	50	47	−2	NW	1	c	4	c	*	55	44	0.01
	Stornoway	30.14	56	E	3	c	30.10	+.02	54	54	0	SSE	2	r	2	bc.c	9.2	63	49	0.05
	Wick	30.12	53	NW	3	bc	30.15	+.12	52	47	−2	N	1	bc	2	bc	*	58	33	0.01
	Nairn	30.17	57	E	0	b	30.13	+.06	53	51	−3	E	0	c	1	b	*	67	43	–
	Aberdeen	30.14	55	NNW	3	bc	30.17	+.13	56	51	+2	E	2	bc	2	cq.bc	9.2	61	40	–
	Leith	30.20	63	W	1	b	30.17	+.09	55	54	0	N	1	r	*	b	*	71	50	–
	Shields	30.14	56	E	1	c	30.17	+.10	54	53	+1	E	1	0	2	bc.c	*	61	52	–
	Spurn Head ...	30.13	59	ENE	1	0	30.19	+.11	57	56	−1	E	0	od	3	c.o.w	*	64	52	–
	Loughborough ...	30.15	64	WNW	3	0	30.20	+.04	64	62	+2	WNW	2	omgdp	*	o.dpm	*	65	59	–
	Malin Head ...	30.15	60	W	5	fd	30.18	+.11	60	60	0	SW	4	cq	3	fd	*	61	60	0.04
	Belmullet	30.24	65	W	3	0	30.29	+.08	64	62	0	WSW	1	c	*	0	*	65	59	0.03
	Donaghadee ...	30.17	61	WNW	2	bcp	30.20	+.07	64	62	+6	NW	3	bc	2	bc.p	*	65	57	0.12
	Liverpool (Bidston)	30.17	63	WSW	5	r	30.22	+.04	62	61	+3	WSW	3	0	3	o.r	*	65	58	0.02
	Holyhead	30.20	66	W	3	c	30.24	+.04	62	61	+2	WNW	2	cmp	1	p.c	*	68	58	0.09
	Parsonstown ...	30.24	70	NW	1	c	30.28	+.03	59	58	−3	SW	1	0	*	c	9.2	72	58	–
	Valencia	30.30	67	WSW	2	bcv	30.28	−.01	64	62	−1	E	1	0	2	bcv	11.0	69	53	–
	Roche's Point ...	30.28	73	NW	2	b	30.31	+.01	62	60	−3	N	2	b	2	b.f	*	74	55	–
	Pembroke (St. Ann's Hd.)	30.26	65	NW	6	b	30.26	+.01	64	63	+1	NW	2	b	1	b	12.1	67	59	–
	Scilly	30.32	69	NNW	2	b	30.26	−.01	66	63	−2	NNW	1	bw	0	b	12.6	72	62	–
	Jersey (St. Aubin's) ...	30.26	69	NNW	3	bc	30.27	.00	71	65	+5	E	0	bmw	0	bc	*	74	57	–
	Portland Bill ...	30.22	67	NNW	4	b	30.26	+.03	64	63	0	N	3	b	2	b	*	70	58	–
	Dungeness	30.17	69	NNW	3	0	30.19	+.03	64	62	−6	NNW	1	0	1	o	*	75	62	–
	London (Brixton) ...	30.17	69	NNW	3	c	30.22	+.04	65	61	−1	NW	2	og	*	c	4.3	74	63	–
	Oxford	30.20	67	NNW	4	c	30.22	+.03	65	62	+2	W	2	c	*	c	*	70	59	–
	Yarmouth	30.12	61	NNW	1	c	30.17	+.10	59	55	−3	W	2	bc	3	bc.c	*	64	50	–
GERMANY	Cuxhaven	29.84	60	NW	7	bc	29.91	+.07	56	52	−2	NW	6	c	*	bc	*	61	54	0.12
	Berlin	29.92	57	W	5	0	29.86	−.02	56	52	−2	NNW	5	c	*	0	*	66	54	0.43
	Wiesbaden	*	*	*	*	*	30.15	+.04	58	53	−5	W	4	bc	*	*	*	68	50	0.04
	Munich	30.12	61	W	6	0	30.22	+.01	53	50	−5	W	6	b	*	0	*	66	48	0.35
FRANCE & NETHERLANDS	The Helder ...	30.06	60	NW	5	c	30.11	+.12	59	53	−3	NW	4	bc	4	c	*	63	59	–
	Brussels	*	*	*	*	*	30.19	+.08	61	54	−1	NNW	3	bc	*	r	*	67	56	–
	C. Gris Nez ...																*			
	Paris	30.19	72	NNW	3	b	30.22	+.01	66	61	+5	NNW	1	bc	*	b	*	78	61	–
	Brest	30.28	68	N	1	b	30.26	−.06	59	59	+1	NE	1	b	1	b	*	72	54	–
	Lorient	30.23	73	NNE	4	b	30.27	+.02	60	57	+1	ENE	2	b	1	b	*	79	57	–
	Rochefort	30.18	73	NW	4	bc	30.20	.00	65	61	−1	ENE	3	b	*	b.bc	*	81	61	–
	Belfort	30.10	67	W	3	0	30.18	+.01	58	56	+2	W	2	m	*	0	*	75	55	–
	Lyons	30.13	75	N	1	bc	30.17	−.02	64	59	+1	N	2	b	*	bc	*	79	60	–
	Nice	29.93	72	SW	2	bc	29.94	+.10	72	67	0	E	2	bc	2	bc	*	82	64	–
	Perpignan	30.06	82	W	4	c	30.08	.00	77	65	+1	W	3	b	*	c	*	89	69	–
	Biarritz	30.12	76	NW	3	b	30.12	−.03	69	67	+1	SSW	2	b	2	b	*	77	66	–
SPAN. PEN.	Corunna																*			
	Lisbon	30.06	72	NNW	5	b	30.05	−.03	75	69	−1	WSW	2	b	*	b	*	88	68	..
	Azores (P. Delgada)	30.21	72	SSW	1	b	30.17	−.01	72	69	0	S	3	bc	2	b	*	81	70	–

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0.0 hrs.

WEATHER CHARTS

FOR Saturday, 19th August, 1899.

BAROMETER, WIND AND SEA.

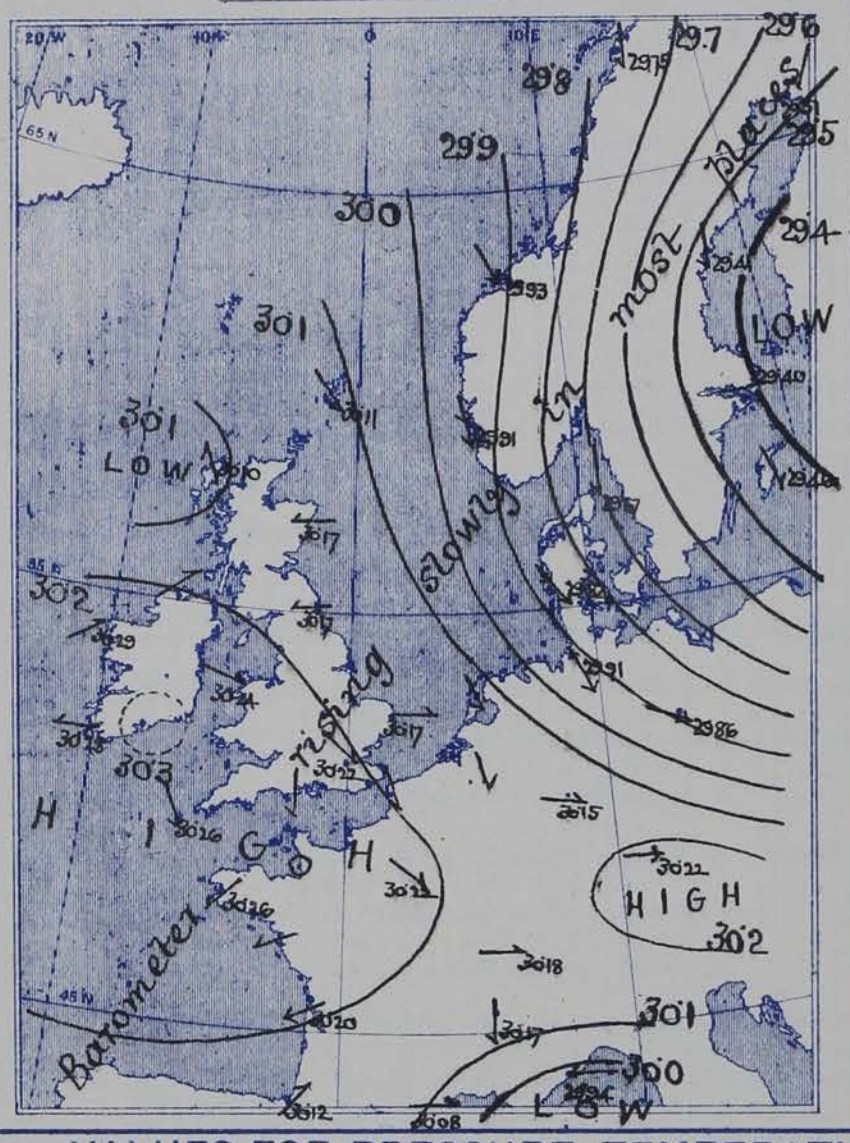
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

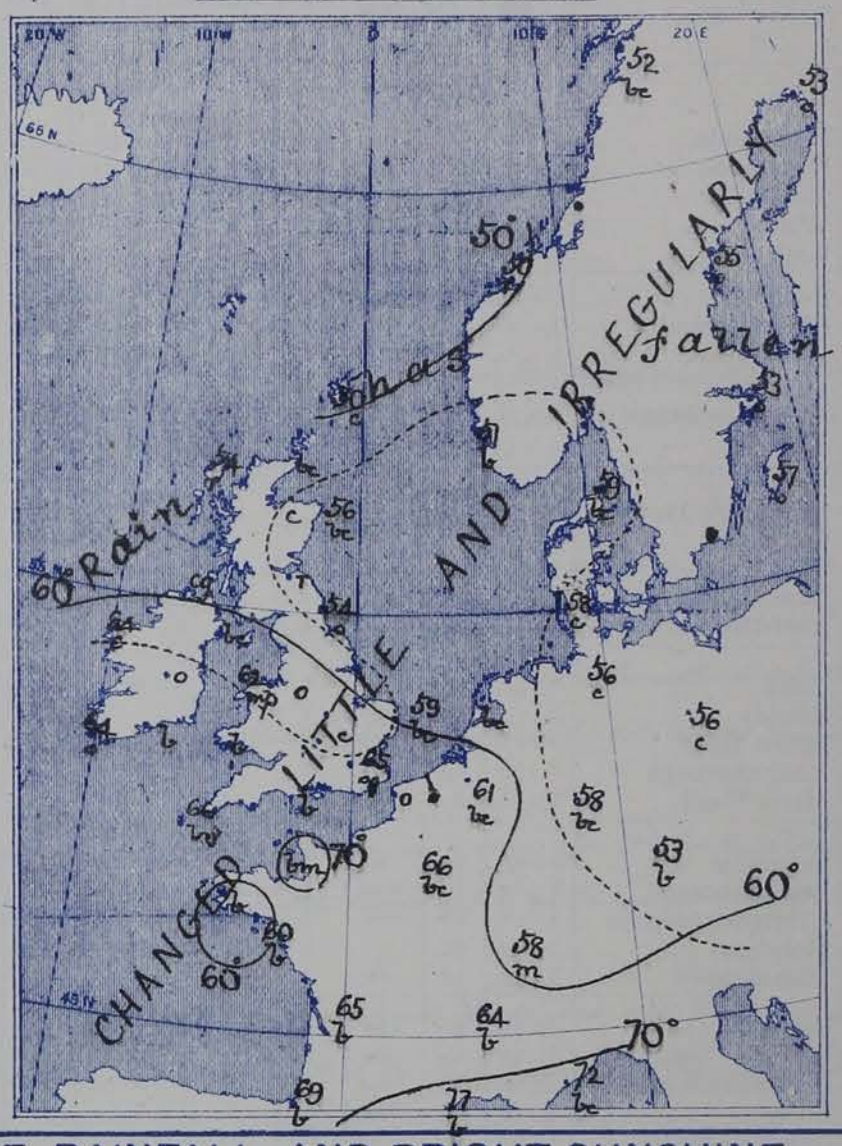


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF AUGUST.*

STATIONS	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29.923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·31 ins. at Rochefort, and exceeding 30·2 ins. in an anticyclone covering Ireland, Wales, the southwest of England and the northwest of France.
Lowest, (1) 29·4 ins. and less, over Finland; (2) below 30·1 ins. to the westward of the Hebrides.
Gradients very slight in our Islands.
Barometer ~~coarse~~ rising at our extreme western and northwestern stations.

TEMPERATURE

Highest, 71° to 72° in the south of France, above 60° in the north of France and the southern and eastern parts of England and Ireland.
Lowest, 50° at Christiansund and Lerwick, 53° at Nairn, 54° at Stornoway and Shields, 56° at Cuxhaven and Berlin.
The maxima recorded yesterday were 67° at Nairn, 72° at Parsonstown, 74° in London, 78° at Paris, 81° at Rochefort, 82° at Nice. At the German stations they were all below 70°.

WIND

(1) Still strong to a gale from the NW^ly to the eastward of the North Sea.
(2) In our Islands it is again anticyclonic – NW at our eastern stations, N to NE in the south, very variable & faint both in Scotland and Ireland.

WEATHER

(1) Very rough and cloudy to the eastward of the North Sea, with occasional rain.
(2) Cloudy with slight misty rain in some parts of Great Britain.
Fine at our western and southwestern stations and over France.
Bright Sunshine was very considerable (12 hours and more) in the southwest yesterday, much less in the east, 4·3 hrs in London, scarcely any in the northwest.

SEA

Moderate in the north and extreme east, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fine warm close weather is again probable over England.

FORECASTS

For the 24 hours ending at NOON on 20TH AUGUST 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Varying and SW^ly breezes, light; some showers.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	NW^ly and W^ly winds, light; fair, close.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos 0 to 2.
7 ENGLAND N.W.	Varying light breezes; fair, close.
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29·78	57	54	NNW	8	c	4
Sumburgh Head	30·01	53	49	NW	4	c	4
Stornoway	30·12	62	56	ENE	2	bc	2
Aberdeen	30·10	58	52	NW	5	cq	4
Shields	30·11	58	56	ENE	2	bc	2
Malin Head ...	30·12	61	61	W	5	f	3
Belmullet	30·28	65	63	W	3	c	*
Holyhead	30·19	67	64	WSW	3	c	2
Valencia	30·30	68	63	WSW	3	bcv	3
Scilly	30·29	70	64	NNW	2	b	1
Jersey	30·28	73	66	NNW	3	bc	3
Portland Bill ...	30·23	69	65	NNW	3	c	2
Dungeness ...	30·16	74	69	NNW	4	o	3
London (Westminster)	30·18	70	61	NNW	2	o	*
Yarmouth ...	30·11	64	58	NW	4	bc	4
Rochefort ...	30·22	81	69	NNW	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over the greater part of France and the southwestern and southern parts of England; dull over Central and northern Europe, with rain at times; squally and not settled on our own north and east coasts. Rain later over Germany, the Baltic, Sweden, and the northwestern parts of our Islands, but amounts considerable only at stations lying to the eastward of the North Sea.

Temperature highest 82° at Brindisi, 80° at Patras, La Calle, Algiers and Leghorn; above 70° over the Mediterranean generally, above 60° over France and the south and west of our Islands. Lowest 50° at Christiansund, 53° at Shields, 52° at Sumburgh Head, 54° at Stornoway and Aberdeen. Rising later to 67° at Malin, 72° at Parsonstown, 74° in London, 78° at Paris, 82° at Nice, and 89° at Perpignan.

Wind (1) W. to NW. over our Islands, light at the western and southern stations, strong in the north and east; (2) Strong from the N. over Scandinavia (a gale at Wisby) strong to a gale over Holstein; strong from W. over the Baltic Provinces. S. to SE. (light) over Finland, NE. at Haparanda. Very variable and cyclonic over the Riviera.

Barometer highest 30·3 ins. to 30·2 ins. over the southwestern parts of the British Islands and over France, and also in a ridge spreading southeastwards to South Germany. Lowest 29·2 ins. and less, in a depression over the southern part of the Gulf of Finland, and below 29·9 ins. over the northeastern parts of the Mediterranean. Rising somewhat in our Islands later—most in the north.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 20th August, **1899.**

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.67	52	NE	2	0	29.82	+.31	54	51	+ 1	N	4	0	*	0	*	64	48	0.32
	Hernösand	29.67	54	Z	0	r	29.86	+.45	56	53	+ 1	N	4	0	*	r	*	59	48	0.55
	Stockholm	29.59	53	NNW	4	0	29.76	+.36	54	52	+ 1	N	4	0	*	0	*	59	48	0.12
	Wisby	29.56	52	NW	4	b	29.73	+.27	57	55	0	NNE	6	0	*	b	*	59	48	—
	Karlstad	29.66	56	N	4	bc	29.88	+.36	55	50	+ 2	NE	6	b	*	bc	*	*	*	0.04
	Bodö	29.93	51	N	4	c	30.06	+.31	50	48	− 2	N	4	bc	1	c	*	55	48	—
	Christiansund ...	30.07	49	N	2	r	30.17	+.24	50	47	0	S	1	c	3	r	*	52	46	0.35
	Skudesnaes ...	29.98	51	NNW	8	c	30.04	+.13	51	48	0	NNW	6	b	3	b,c	*	55	48	*
	Færder (X'iania Fjord)	29.76	63	N	6	0	29.94	+.30	60	52	+ 2	N	6	bc	3	0	*	63	57	—
	The Skaw (Skagen)	29.77	61	N	2	0	29.93	+.26	58	53	− 1	NE	4	b	1	0	*	63	57	0.04
	Fanö	29.89	55	NW	8	c	29.99	+.15	56	55	− 2	NW	6	b	*	c	*	59	51	—
BRITISH ISLANDS	Sumburgh Head ...	30.16	50	NW	2	c	30.20	+.09	52	50	+ 2	E	1	b	3	c	*	52	40	—
	Stornoway	30.14	59	Z	0	0	30.19	+.09	65	62	+ 11	S	2	bc	2	0	0.0	65	52	0.02
	Wick	30.17	53	S	1	bc	30.21	+.06	55	54	+ 3	S	1	m	1	bc	*	63	50	—
	Nairn	30.17	59	E	1	0	30.23	+.10	57	55	+ 4	Z	0	c	1	0	*	63	51	0.01
	Aberdeen	30.20	53	ESE	2	c	30.24	+.07	58	56	+ 2	ESE	1	0	1	c	10.0	59	51	—
	Leith	30.17	60	Z	0	0	30.23	+.06	61	54	+ 6	NNE	1	c	*	0	*	61	54	—
	Shields	30.19	55	E	1	0	30.24	+.07	58	57	+ 4	Z	0	0	2	d,o,r	*	58	53	0.01
	Spurn Head ...	30.18	58	ENE	2	0	30.23	+.04	60	58	+ 3	NNE	2	0	3	0	*	64	56	—
	Loughborough ...	30.20	70	WNW	3	bc	30.26	+.06	63	60	− 1	NW	1	bw	*	o.bc,bm	*	75	51	—
	Malin Head ...	30.21	62	W	4	0	30.25	+.07	61	61	+ 1	W	1	0	1	0	*	64	60	—
	Belmullet	30.26	66	N	1	b	30.27	−.02	67	63	+ 3	S	1	b	*	b	*	68	57	—
	Donaghadee ...	30.25	65	NW	2	b	30.28	+.08	63	62	− 1	NNW	2	cg	2	b	*	73	56	—
	Liverpool (Bidston)	30.24	64	WSW	3	bc	30.26	+.04	63	61	+ 1	WSW	1	c	2	bc	*	67	58	—
	Holyhead	30.25	66	W	1	b	30.26	+.02	66	63	+ 4	NW	1	b	1	b	*	69	57	—
	Parsonstown ...	30.26	71	W	1	c	30.28	.00	62	60	+ 3	NW	1	0	*	c	6.5	73	53	—
	Valencia	30.27	69	WSW	2	c	30.26	−.02	64	61	0	Z	0	0	1	ov,c	1.2	69	59	—
	Roche's Point ...	30.26	70	SW	3	b	30.27	−.04	64	61	+ 2	N	1	b	1	b	*	71	58	—
	Pembroke (St. Ann's Hd.)	30.26	66	NW	2	b	30.26	.00	60	59	− 4	E	2	f	1	b	12.7	70	58	—
	Scilly	30.28	69	NNE	1	b	30.24	−.02	68	64	+ 2	NNE	1	b	0	b	13.0	72	63	—
	Jersey (St. Aubin's) ...	30.24	73	NW	3	b	30.23	−.04	71	65	0	ENE	3	bw	3	b	*	77	59	—
	Portland Bill ...	30.22	67	WNW	4	b	30.25	−.01	66	63	+ 2	E	4	bc	2	bc,b	*	72	58	—
	Dungeness	30.17	70	NNW	1	c	30.22	+.03	65	62	+ 1	N	2	c	1	o,d,b,c	*	71	62	—
	London (Brixton) ...	30.19	72	NNW	2	b	30.26	+.04	66	62	+ 1	N	1	om	*	o,c,b	1.0	74	60	—
	Oxford	30.22	66	N	1	b	30.26	+.04	63	60	− 2	NNW	1	b	*	b	*	74	56	—
	Yarmouth	30.17	63	NNE	2	bc	30.20	+.03	60	55	+ 1	NNW	4	bc	4	c,bc	*	64	54	—
GERMANY.	Cuxhaven	29.96	58	NW	6	c	29.99	+.08	58	55	+ 2	NW	4	0	*	c	*	59	54	0.04
	Berlin	29.89	57	W	5	b	29.91	+.05	54	53	− 2	WNW	5	0	*	b	*	64	52	0.04
	Wiesbaden	*	*	*	*	*	30.16	+.01	56	51	− 2	NW	2	0	*	*	*	68	50	—
	Munich	30.15	59	W	3	bc	30.19	−.03	54	50	+ 1	W	5	b	*	bc	*	64	50	—
FRANCE & NETHERLANDS.	The Helder ...	30.14	59	NW	3	bc	30.15	+.04	59	54	0	NNW	3	c	3	bc	*	61	57	—
	Brussels	*	*	*	*	*	30.23	+.04	59	54	− 2	NNE	2	0	*	0	*	70	51	—
	C. Gris Nez ...	30.18	66	S	1	m	30.24		63	61		NE	3	bc	3	m	*	72	61	—
	Paris	30.19	71	NNW	2	bc	30.21	−.01	62	60	− 4	SW	1	bc	*	bc	*	92	57	—
	Brest	30.18	73	N	2	b	30.23	−.03	62	59	+ 3	E	1	b	0	b	*	73	57	—
	Lorient	30.22	73	Z	0	b	30.21	−.06	63	62	+ 3	E	2	b	1	b	*	81	63	—
	Rochefort	30.13	75	NW	3	b	30.12	−.08	68	63	+ 3	ENE	4	bc	*	b	*	88	61	—
	Belfort	30.11	65	WSW	2	f	30.19	+.01	57	54	− 1	Z	0	m	*	f	*	75	51	—
	Lyons	30.10	72	N	2	b	30.13	−.04	61	55	− 3	N	2	b	*	b	*	78	58	—
	Nice	29.92	74	SW	3	bc	29.94	.00	72	68	0	Z	0	c	0	bc	*	84	68	—
	Perpignan	30.01	83	NW	2	b	30.02	−.06	74	64	− 3	NW	1	b	*	b	*	89	63	—
	Biarritz	30.04	77	N	4	b	30.03	−.09	66	63	− 3	ESE	3	b	1	b	*	79	63	—
SPAN. PEN.	Corunna																*			
	Lisbon	30.01	71	NNW	4	0	29.96	−.09	72	67	− 3	NNE	2	bc	*	0	*	84	66	—
	Azores (P. Delgada)	30.19	72	SSW	2	b	30.14	−.03	74	71	+ 2	S	3	0	2	b	*	81	72	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 3·3 *hrs.*

WEATHER CHARTS

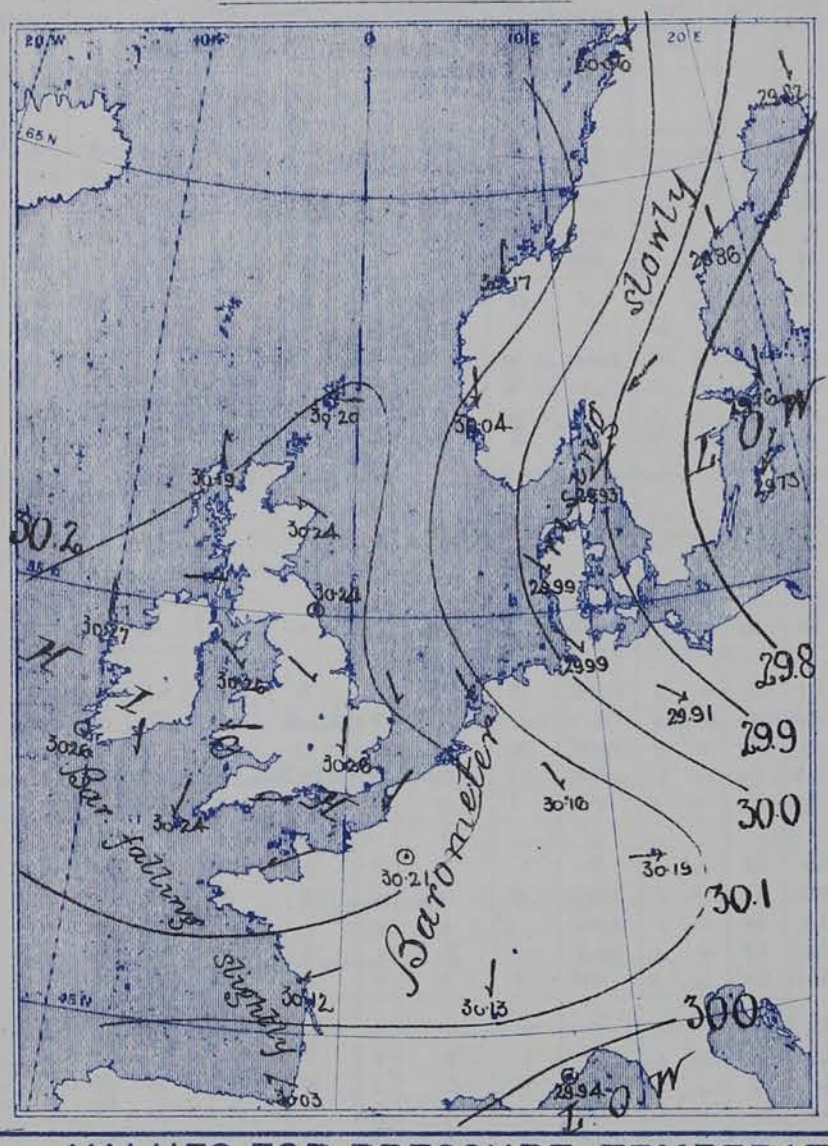
FOR Sunday, 20th August, 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

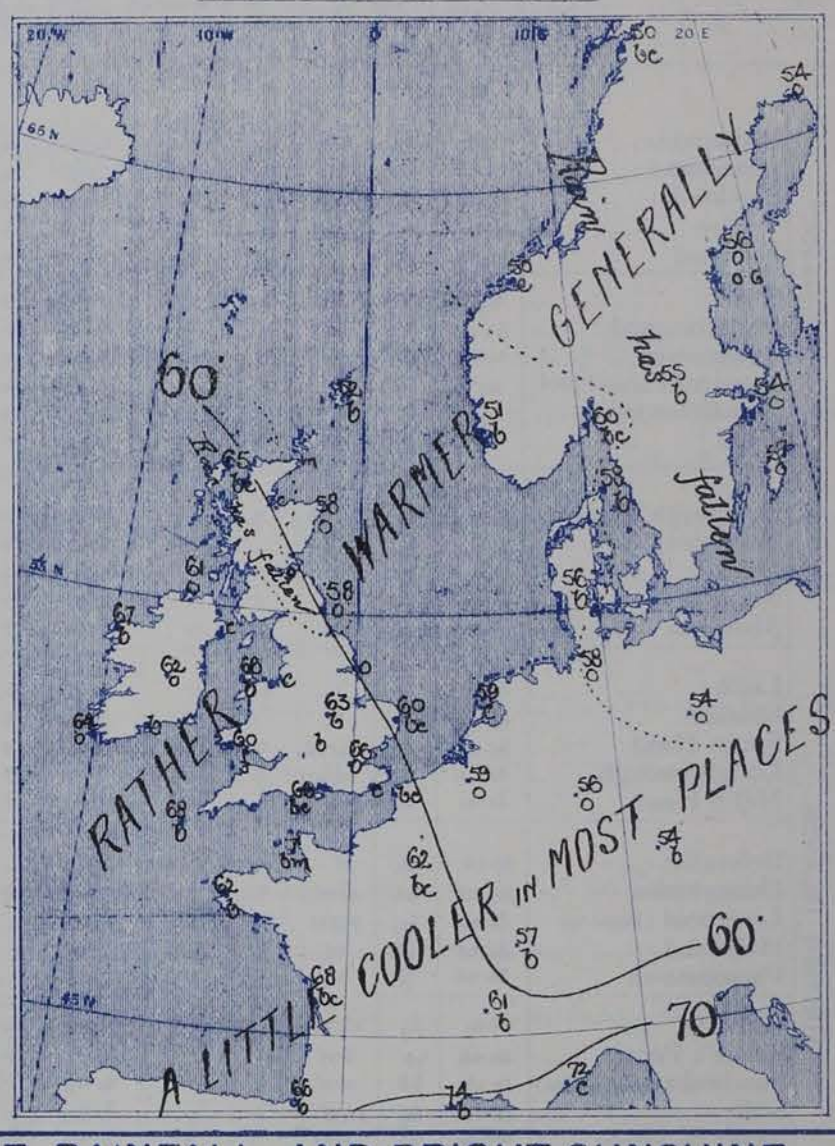
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 · 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 · 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 . 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 830	56 · 1	53 · 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 · 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 · 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and more in an anticyclone covering the whole of the British Islands, Belgium, and the north of France.
Lowest, (1) 29·8 in: and less, over the southeast of Sweden and the Baltic; (2) 30·0 in: and less, over the Riviera.
Gradients very slight over our Islands, moderate over Scandinavia and the southeast of France.
Barometer rising decidedly over countries lying to eastward of North Sea, falling over the Spanish Peninsula, scarcely changing in our Islands.

TEMPERATURE

Highest, 74° to 72° over the Riviera, and above 60° over the greater part of France, England, Ireland, and the Hebrides.
Lowest, 50° to 54° in Lapland and the northeast of Europe, 54° at Stockholm and Berlin, 52° at Sumburgh Head, 55° at Wick, 58° at Shields and Cuxhaven.
Rising later to 63° at Nairn, 73° at Paucnetown, 76° at Oxford; 89° at Perpignan, 92° at Paris; not exceeding 64° at Berlin.

WIND

(1) Light and anticyclonic over England; (2) N., cyclonic, and moderate over Scandinavia and Denmark, E. over the Bay of Biscay, W. over Germany; variable over Central France.

WEATHER

Fine generally over our Islands and France, but considerable cloud and haze reported over England and the Irish Channel.
Very slight and sporadic falls of rain reported in parts of the north of our Islands, larger, but decreasing quantities over Land in Scotland, a little over Germany.
Bright Sunshine recorded yesterday was 1·2 hrs at Valencia to 13 hrs at Scilly; at Stornoway there was none.

SEA

Slight to very smooth on all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 21st Aug: 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED.	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29·93	55	50	N	9	b	4
Sumburgh Head	30·15	51	48	NW	3	c	4
Stornoway... ...	30·14	58	58	SSE	3	o	3
Aberdeen	30·19	56	51	ESE	3	b	2
Shields	30·18	56	55	ENE	1	oa	2
Malin Head ...	30·20	64	62	W	4	bc	2
Belmullet	30·26	67	63	WSW	1	o	*
Holyhead	30·26	67	64	WNW	2	c	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·28	67	62	W	1	oy	2
Scilly	30·27	71	66	WNW	2	b	0
Jersey	30·27	76	65	NNW	2	b	2
Portland Bill ...	30·24	70	67	W	3	bc	2
Dungeness ...	30·19	66	65	2	0	odt	0
London (Westminster)	30·20	72	64	WNW	3	c	*
Yarmouth ...	30·18	62	58	N	2	c	3
Rochefort ...	30·16	81	70	NE	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine over Western Germany, France and the southwestern parts of the British Islands, cloudy in the north and East of our Islands, with very slight rain in places. Dull overcast and threatening in many of the latter Districts later, slight rain sporadically, but a larger amount in Norway, and a little in North Germany.

Temperature in morning highest 81° at Algiers and Barcelona, 80° at Paris, and above 70° over the Mediterranean generally; above 60° over the northern parts of France, and the southern, central and western parts of our Islands. Lowest 50° at Archangel, Christiansund and Sumburgh Head, 52° at Wick, 53° at Stockholm, 54° at Stornoway and Shields, 55° in South Germany. Rising later to 63° at Kiaim, 73° at Parsontown, 74° in London, 92° at Paris.

Wind very light and variable (anticyclonic) in our Islands and France; stronger and cyclonic over the Countries lying to the eastward of the North Sea, NE^3 over northern Europe, NW^2 to W^3 over the south of Sweden and North Germany. Very variable over the Mediterranean.

Barometer highest 30·31 ins. at Roches Point, and exceeding 30·2 ins. over the greater part of Ireland, England, and France. Lowest 29·3 ins. and less, in a depression over the south of Finland, and below 30·0 ins. over the eastern part of the Mediterranean and over southeastern Europe. No decided change in our Islands later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 21st August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda	30·01	50	NNW	2	b	30·04	+·22	53	49	−1	Z	0	b	*	b	*	61	50	–
	Hernösand	30·05	54	Z	0	0	30·13	+·27	52	50	−4	N	2	b	*	0	*	64	50	0·04
	Stockholm	29·99	54	N	6	b	30·06	+·30	57	53	+3	NNE	6	c	*	b	*	59	50	0·12
	Wisby	29·97	57	N	8	0	30·06	+·33	54	51	−3	N	6	0	*	0	*	59	55	0·16
	Karlstad	30·04	60	NW	2	b	30·15	+·27	53	48	−2	NW	2	b	*	b	*	*	*	–
	Bodö	30·17	48	WSW	4	0	30·08	−·03	48	45	−2	E	2	0	1	0	*	54	45	–
	Christiansund ...	30·22	51	N	1	b	30·13	−·04	55	51	+5	WNW	1	0	2	b	*	55	48	–
	Skudesnaes ...	30·12	51	NNW	6	b	30·21	+·17	54	51	+3	NNW	6	c	2	b	*	57	48	*
	Færder (X'iania Fjord)	30·06	63	W	2	b	30·17	+·23	56	51	−4	NNE	4	b	2	b	*	64	55	–
	The Scaw (Skagen)	30·10	59	NW	2	b	30·14	+·21	60	58	+2	NW	1	b	0	b	*	64	55	–
	Fanö	30·14	55	NW	4	b	30·21	+·22	55	53	−1	NNW	2	0	*	b	*	64	52	–
BRITISH ISLANDS	Sumburgh Head ...	30·20	54	SW	2	c	30·23	+·03	56	51	+4	W	2	bc	3	c	*	57	50	–
	Stornoway	30·20	69	SW	1	b	30·21	+·02	60	59	−5	Z	0	0	0	b	10·7	71	52	–
	Wick	30·24	57	S	1	c	30·25	+·04	63	59	+8	S	1	b	0	c	*	68	53	–
	Nairn	30·24	67	E	1	bc	30·26	+·03	59	57	+2	Z	0	0	1	bc	*	74	47	–
	Aberdeen	30·27	60	ESE	2	c	30·27	+·03	65	61	+7	S	2	bw	1	c	3·1	66	50	–
	Leith	30·23	68	Z	0	bc	30·29	+·06	63	60	+2	Z	0	0	*	bc	*	73	52	–
	Shields	30·27	59	E	2	bc	30·28	+·04	60	60	+2	Z	0	m	2	bc	*	66	56	–
	Spurn Head ...	30·28	60	ENE	1	b	30·32	+·09	61	59	+1	S	1	bw	2	b	*	66	54	–
	Loughborough ...	30·26	71	NE	2	c	30·34	+·08	59	57	−4	Z	0	cmw	*	c.bcm.c	*	76	51	–
	Malin Head ...	30·25	62	E	2	bc	30·22	−·03	65	62	+4	S	3	c	2	c.bc	*	67	60	–
	Belmullet	30·25	70	WSW	1	b	30·23	−·04	66	62	−1	S	1	b	*	o.b	*	72	59	–
	Donaghadee ...	30·28	65	N	2	bc	30·30	+·02	62	59	−1	Z	0	bw	0	bc	*	66	53	–
	Liverpool (Bidston)	30·27	65	WNW	1	b	30·30	+·04	65	58	+2	SE	1	b	1	b	*	68	58	–
	Holyhead	30·27	63	N	1	b	30·29	+·03	64	62	−2	Z	0	cm	0	b	*	66	57	–
	Parsonstown ...	30·24	73	SE	1	0	30·29	+·01	61	58	−1	SW	1	b	*	c.0	5·4	74	52	–
	Valencia	30·24	68	WNW	2	b	30·25	−·01	68	64	+4	SE	2	bc	2	b	8·3	71	53	–
	Roche's Point ...	30·28	69	SSE	1	b	30·28	+·01	62	62	−2	NNE	1	f	2	b,f	*	70	56	–
	Pembroke (St. Ann's Hd.)	30·26	67	NE	3	b	30·29	+·03	66	65	+6	SE	3	b	2	b	13·0	71	59	–
	Scilly	30·28	70	ENE	1	b	30·24	·00	69	66	+1	ESE	1	b	0	b	13·1	73	63	–
	Jersey (St. Aubin's) ...	30·22	74	E	3	b	30·27	+·04	66	62	−5	E	3	cm	3	bc.b	*	78	58	–
	Portland Bill ...	30·24	68	SW	1	bc	30·29	+·04	65	63	−1	E	2	cm	2	bc	*	72	57	–
	Dungeness	30·24	65	E	3	bc	30·29	+·07	61	56	−4	NE	3	0	3	c.bc	*	72	51	–
	London (Brixton) ...	30·24	72	NNW	1	bc	30·33	+·07	58	54	−8	ENE	1	b	*	o.c.bc	2·0	77	51	–
	Oxford	30·26	66	NE	2	b	30·35	+·09	55	54	−8	NE	2	0	*	b	*	77	52	–
	Yarmouth	30·24	63	N	4	bc	30·29	+·09	61	56	+1	NNE	2	b	3	bcr	*	65	52	–
GERMANY	Cuxhaven	30·10	59	NW	3	bc	30·21	+·22	59	57	+1	N	1	0	*	bc	*	61	57	–
	Berlin	30·01	62	NW	4	c	30·15	+·24	56	54	+2	WNW	3	0	*	c	*	64	54	–
	Wiesbaden	*	*	*	*	*	30·24	+·08	58	53	+2	NW	2	c	*	*	*	63	50	–
	Munich	30·22	51	SW	2	b	30·26	+·07	51	48	−3	W	2	0	*	b	*	61	48	–
FRANCE & NETHERLANDS	The Helder ...	30·21	58	NNW	3	c	30·26	+·11	58	53	−1	N	1	0	1	c	*	61	57	–
	Brussels	*	*	*	*	*	30·30	+·07	57	54	−2	NE	2	0	*	0	*	69	51	–
	C. Gris Nez ...	30·26	62	E	4	b	30·28	+·07	59	54	−4	E	2	0	2	b	*	70	54	–
	Paris	30·19	71	NNE	2	b	30·24	+·03	53	50	−9	NE	2	b	*	b	*	75	48	–
	Brest	30·19	76	N	1	b	30·23	·00	63	58	+1	E	2	b	1	b	*	79	57	–
	Lorient	30·16	59	NE	4	b	30·21	·00	62	59	−1	ENE	5	b	3	b	*	84	61	–
	Rochefort	30·04	82	ENE	4	bc	30·12	·00	62	59	−6	NE	4	b	*	bc	*	91	61	–
	Belfort	30·10	62	ENE	5	b	30·16	−·09	53	49	−4	ENE	4	m	*	b	*	76	44	–
	Lyons	30·09	68	N	1	b	30·11	−·02	55	51	−6	NNW	2	b	*	b	*	93	53	–
	Nice	29·87	73	Z	0	bc	29·87	−·07	?72	66	0	E	2	?r	0	bc	*	82	66	–
	Perpignan	29·94	81	NW	2	b	29·96	−·06	68	62	−6	Z	0	b	*	b	*	89	59	–
	Biarritz	29·97	76	N	3	b	29·99	−·04	64	61	−2	E	3	b	2	b	*	82	63	–
SPAN. PEN.	Corunna																*			
	Lisbon														*		*			
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday: Southport 5·5 *hrs.*

WEATHER CHARTS

FOR *Monday, 21st August,* 1899.

BAROMETER, WIND AND SEA.

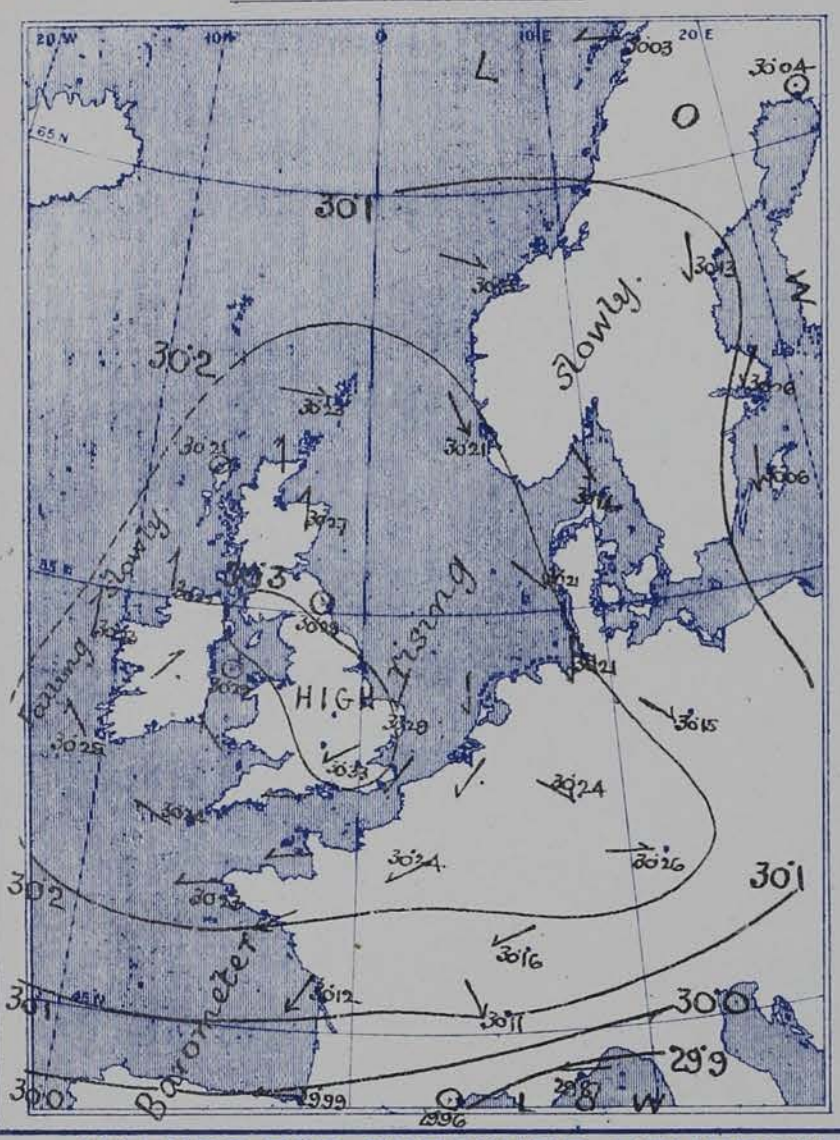
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ➤⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ➤⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

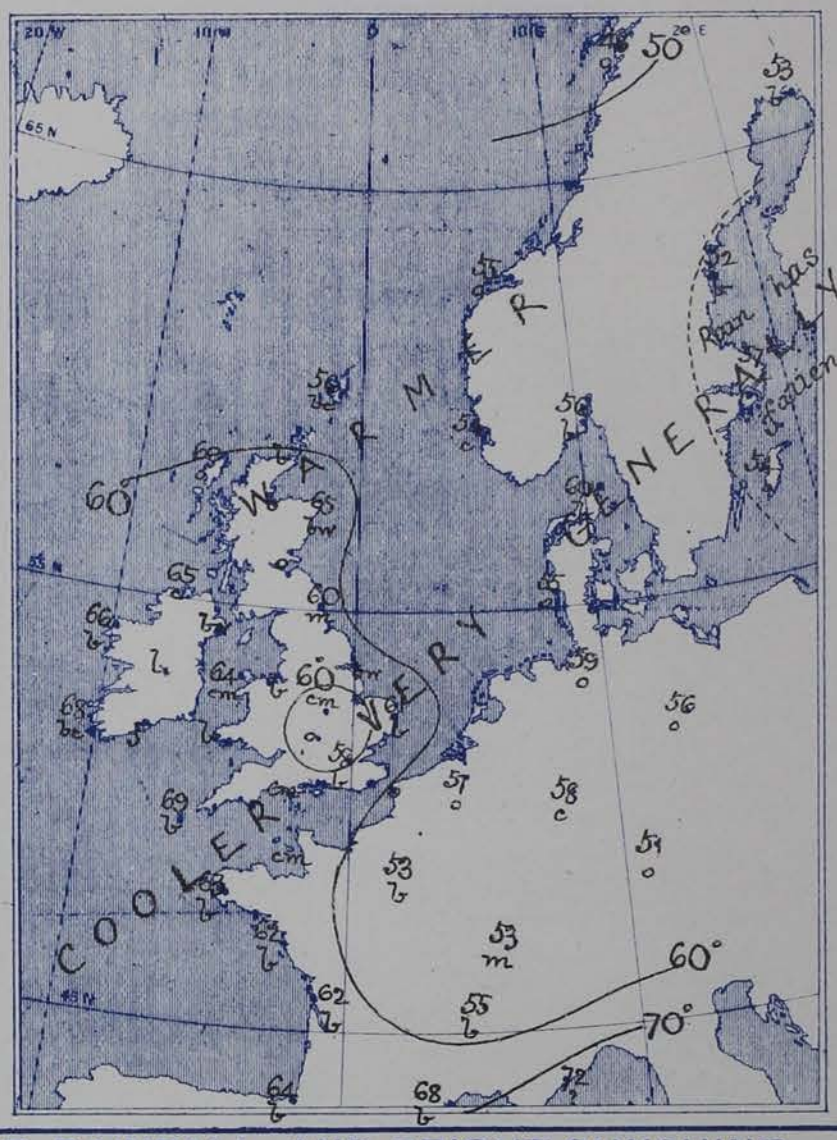


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29.923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins: and more to 30·2 ins: in a large anticyclone covering the whole of our Islands, the north of France, Belgium & W^n Germany.
Lowest, (1) 30·1 ins: and less over Lapland and Finland; (2) 29·9 ins: and less over the Riviera.
Gradients very slight except over the south of France.
Barometer rising at all our northern and eastern stations, inclined to fall slowly in the west of Ireland.

TEMPERATURE

Highest, 69° at Scilly, 68° at Perpignan and at Valencia, 66° at Belmullet, 65° at Aberdeen, 61° at Spurn Hd, 60° at the Scaw.
Lowest, 48° at Bodö, 53° at Karlstad and Berlin, 55° at Oxford, 56° at Sumburgh Head.
It has fallen a little over our Islands and France during the night, but risen in the extreme north and in Norway.
The maxima recorded yesterday were 74° at Nairn and Parsonstown, 76° at Loughborough, 77° in London and at Oxford; 75° at Paris, 91° at Rochefort, 93° at Cyprus.

WIND

Exceedingly light and variable over our Islands and their neighbourhood (E^ly at the southern stations), but blowing with moderate force from the E^ly over the Bay of Biscay.

WEATHER

Fine generally, but hazy in a few places the only rainfall reported this morning (as having fallen yesterday) was a few hundredths of an inch in Sweden.
Bright Sunshine recorded yesterday was 12 to 13 hours in the southwest of England, 11 hrs at Stornoway, but only 2 hrs in London.

SEA

Slight or smooth very generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fine weather is probable generally. A cool night is indicated for England; warm days are again likely to occur — first at the western and then at the English stations.

FORECASTS

For the 24 hours ending at NOON on 22nd Aug: 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	Calms and Variable airs, finally S^ly; fine generally.	6 SCOTLAND WEST	Same as No^s 0 and 1.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	Variable airs; fine — warm day, cool night.	7 ENGLAND N.W. 8 ENGLAND S.W.	E^ly and SE^ly winds; fine.
5 ENGLAND SOUTH	E^ly breezes, light; fine cool night but warmer days.	9 IRELAND NORTH 10 IRELAND SOUTH	SE^ly and S^ly winds, light; fine warmer.
		WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·03	57	53	NNW	6	b	3
Sumburgh Head							
Stornoway... ...	30·21	71	65	SSW	1	bc	1
Aberdeen							
Shields							
Malin Head ...	30·26	63	61	E	1	c	1
Belmullet	? 30·26	71	64	NNW	1	o	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30·24	77	63	SE	2	bc	2
Portland Bill ...							
Dungeness ...	30·24	67	63	E	3	c	2
London (Westminster)							*
Yarmouth ...							*
Rochefort ...	30·12	89	75	ENE	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 13TH TO THE 19TH AUG: 1899

At the beginning of this week an anticyclone of irregular form (in which readings were above 30·2 ins.) was covering the eastern parts of our Islands and adjacent parts of the North Sea, as well as Central Europe. Light E to S winds were prevalent over France and the United Kingdom, while NW winds were blowing over Finland and Russia, and very variable airs over France and the Mediterranean.

Gradually this system moved eastwards, and winds from a more S point became general over Europe. On Tuesday a well formed depression appeared off our northwest coasts and another off the southwest of Ireland, and during the day temperature rose with unusual rapidity over Western Europe, the maxima being as high as 89° in London, 84° at Paris and 92° at Nice. The air in London was most oppressive and a few hours later thunderstorms were experienced over the United Kingdom, their violence being greatest over our inland southwestern and midland counties.

The northern depression moved northeastwards the southwestern one broke up as it travelled, but on Wednesday night a new depression (secondary to the one named above) came swiftly over our most northern districts, and these increased in area as the disturbance grew deeper and advanced to the Baltic. Under the influence of this disturbance, and some shallow secondaries which followed it, further showers fell daily in the north till nearly the close of the week, and on Saturday some spots were felt even in London. Late on Saturday the weather was clearing over England, and apparently another fine warm period was imminent.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 22nd AUGUST, **1899.**

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda ...	29.83	62	2	0	bc	29.64	−.40	54	49	+ 1	NW	4	0	*	bc	*	61	41	—
	Hernösand ...	29.96	58	2	0	0	29.90	−.23	58	52	+ 6	NW	4	0	*	0	*	68	45	—
	Stockholm ...	30.07	57	2	0	b	30.02	−.04	59	55	+ 2	WNW	2	0	*	b	*	64	48	—
	Wisby ...	30.13	53	N	4	b	30.09	+.03	58	56	+ 4	W	4	0	*	b	*	58	50	0.04
	Karlstad ...	30.08	59	SW	2	bc	30.06	−.09	60	56	+ 7	W	2	b	*	bc	*	*	*	—
	Bodö ...	29.82	50	SW	6	r	29.91	−.12	47	45	− 1	WNW	4	0	2	r	*	54	45	0.04
	Christiansund ...	30.13	55	WNW	5	r	30.07	−.06	55	54	0	W	7	r	4	r	*	57	52	0.51
	Skudesnaes ...	30.25	53	NNW	4	f	30.23	+.02	54	54	0	NNW	2	ef	1	b.f	*	59	50	*
	Færder (X'iania Fjord)	30.10	61	W	2	0	30.11	−.06	63	60	+ 7	NNW	1	b	1	0	*	64	55	—
	The Scaw (Skagen)	30.15	59	WSW	1	c	30.08	−.06	60	59	0	NW	2	m	0	c	*	64	54	—
	Fanö ...	30.22	56	WNW	3	0	30.22	+.01	58	57	+ 3	NW	4	0	*	0	*	63	55	—
BRITISH ISLANDS	Sumburgh Head ...	30.20	62	W	1	b	30.15	−.08	60	58	+ 4	WSW	3	0	3	b	*	64	53	—
	Stornoway ...	30.20	69	W	3	b	30.21	.00	63	60	+ 3	WSW	4	bc	4	c.b	6.8	71	55	—
	Wick ...	30.25	59	S	1	b	30.23	−.02	67	62	+ 4	NW	2	b	1	b	*	69	51	—
	Nairn ...	30.23	68	2	0	b	30.25	−.01	64	61	+ 5	W	1	b	1	b	*	77	51	—
	Aberdeen ...	30.24	67	S	1	bc	30.25	−.02	69	61	+ 4	W	2	bw	1	c.bc	5.4	71	53	—
	Leith ...	30.23	69	W	1	b	30.27	−.02	65	61	+ 2	WSW	1	b	*	b	*	76	52	—
	Shields ...	30.28	66	SE	1	bc	30.28	.00	59	58	− 1	SW	2	m	2	b.bc	*	71	55	—
	Spurn Head ...	30.32	60	E	2	b	30.33	+.01	61	58	0	SSW	1	bw	2	b	*	65	54	—
	Loughborough ...	30.28	74	E	2	b	30.35	+.01	56	53	− 3	ESE	1	bw	*	c.bc.b	*	78	44	—
	Malin Head ...	30.23	65	N	1	b	30.26	+.04	66	62	+ 1	2	0	b	0	b	*	72	59	—
	Belmullet ...	30.26	68	SW	1	b	30.33	+.10	66	63	0	S	1	b	*	b.f	*	72	57	—
	Donaghadee ...	30.27	66	S	3	b	30.30	.00	62	60	0	SE	2	bw	1	b	*	69	54	—
	Liverpool (Bidston) ...	30.26	72	WNW	1	b	30.30	.00	62	57	− 3	SE	2	b	?	bm	*	77	58	—
	Holyhead ...	30.28	68	2	0	b	30.30	+.01	64	61	0	2	0	bm	0	b	*	75	58	—
	Parsonstown ...	30.25	76	NW	1	b	30.30	+.01	64	61	+ 3	E	1	b	*	b	12.5	78	53	—
	Valencia ...	30.26	71	S	2	b	30.27	+.02	65	61	− 3	2	0	b	1	b	13.4	74	51	—
	Roche's Point ...	30.30	71	SSE	2	b	30.30	+.02	60	60	− 2	N	2	f	2	b	*	72	56	—
	Pembroke (St. Ann's Hd.)	30.28	68	N	3	b	30.31	+.02	63	62	− 3	SE	2	bm	0	b	12.0	69	60	—
	Scilly ...	30.28	69	E	1	b	30.34	.00	66	62	− 3	ESE	4	b	1	b	12.6	75	61	—
	Jersey (St. Aubin's) ...	30.24	67	NE	3	b	30.26	−.01	65	60	− 1	ENE	3	bmw	3	b	*	72	60	—
	Portland Bill ...	30.29	62	SE	1	b	30.31	+.02	62	60	− 3	ENE	3	b	2	b	*	69	53	—
	Dungeness ...	30.27	62	ENE	4	b	30.31	+.02	67	62	+ 6	ENE	2	b	1	b	*	68	58	—
	London (Brixton) ...	30.28	70	ENE	1	b	30.35	+.02	60	56	+ 2	SE	2	b	*	bc.bw	11.7	76	48	—
	Oxford ...	30.31	63	ENE	2	b	30.34	−.01	62	57	+ 7	ENE	1	b	*	b	*	76	48	—
	Yarmouth ...	30.29	63	ENE	2	b	30.33	+.04	63	58	+ 2	NE	1	b	2	b	*	65	51	—
GERMANY.	Cuxhaven ...	30.25	59	NW	2	0	30.23	+.02	58	52	− 1	NW	1	c	*	0	*	61	54	—
	Berlin ...	30.18	67	2	0	c	30.26	+.11	55	52	− 1	NW	3	b	*	c	*	70	52	—
	Wiesbaden ...	*	*	*	*	*	30.31	+.07	55	53	− 3	NE	2	b	*	*	*	68	46	—
	Munich ...	30.28	54	SE	3	r	30.33	+.07	53	51	+ 2	E	2	b	*	r	*	63	46	0.04
FRANCE & NETHERLANDS.	The Helder ...	30.29	59	NNW	1	bc	30.30	+.04	60	59	+ 2	2	0	0	0	bc	*	63	54	—
	Brussels ...	*	*	*	*	*	30.33	+.03	57	53	0	ENE	2	b	*	b	*	68	45	—
	C. Gris Nez ...	30.30	59	E	2	b	30.30	+.02	59	55	0	SE	1	b	1	b	*	68	59	—
	Paris ...	30.21	69	NE	3	b	30.28	+.04	55	52	+ 2	NE	2	b	*	b	*	72	50	—
	Brest ...	30.18	71	NE	3	b	30.21	−.02	58	55	− 5	ESE	2	b	1	b	*	81	54	—
	Lorient ...	30.14	73	NE	5	b	30.19	−.02	59	57	− 3	E	5	b	2	b	*	84	57	—
	Rochefort ...	30.04	76	NE	4	b	30.04	−.08	63	57	+ 1	E	4	b	*	b	*	88	59	—
	Belfort ...	30.23	81	NE	4	b	30.21	+.05	51	51	− 2	ENE	?	f	*	b	*	?	49	—
	Lyons ...	30.05	69	N	3	b	30.19	+.08	59	52	+ 4	N	1	b	*	b	*	75	51	0.59
	Nice ...	29.94	66	S	1	b	30.04	+.17	67	59	− 5	E	3	bc	4	b	*	82	61	0.51
	Perpignan ...	29.95	75	S	1	b	30.08	+.12	65	61	− 3	2	0	b	*	b	*	88	57	—
	Biarritz ...	29.97	75	NNE	3	b	30.00	+.01	68	63	+ 4	SW	3	b	2	b	*	77	63	—
SPAN. PEN.	Corunna ...																*			
	Lisbon ...														*		*			
	Azores (P. Delgada)	30.10	72	W	2	b	30.08	+.02	71	67	− 2	NNW	1	bc	3	b	*	81	66	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 11·1 hrs.

WEATHER CHARTS

FOR *Tuesday, 22nd August, 1899.*

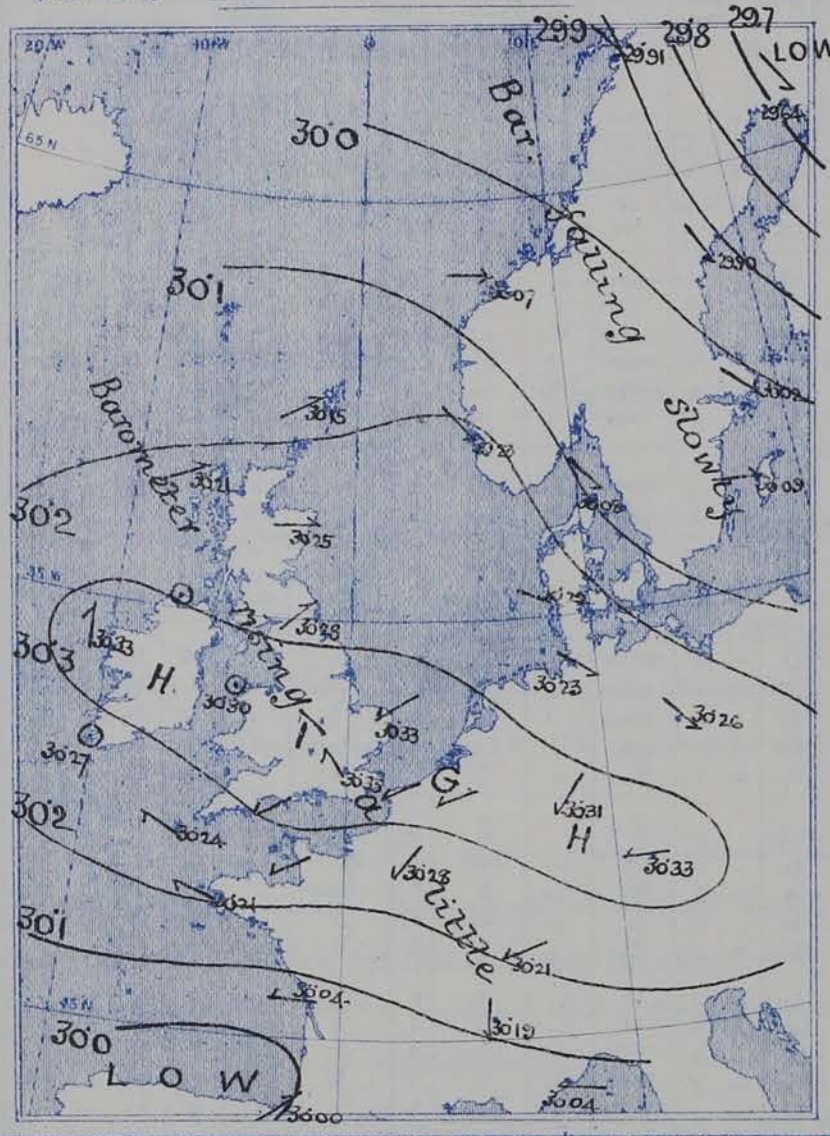
BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 : *Force 5 to 7* : } Calm ⊙
Force 8 to 10 : *Force 1 to 4* : }

SEA.—Rough : *High*

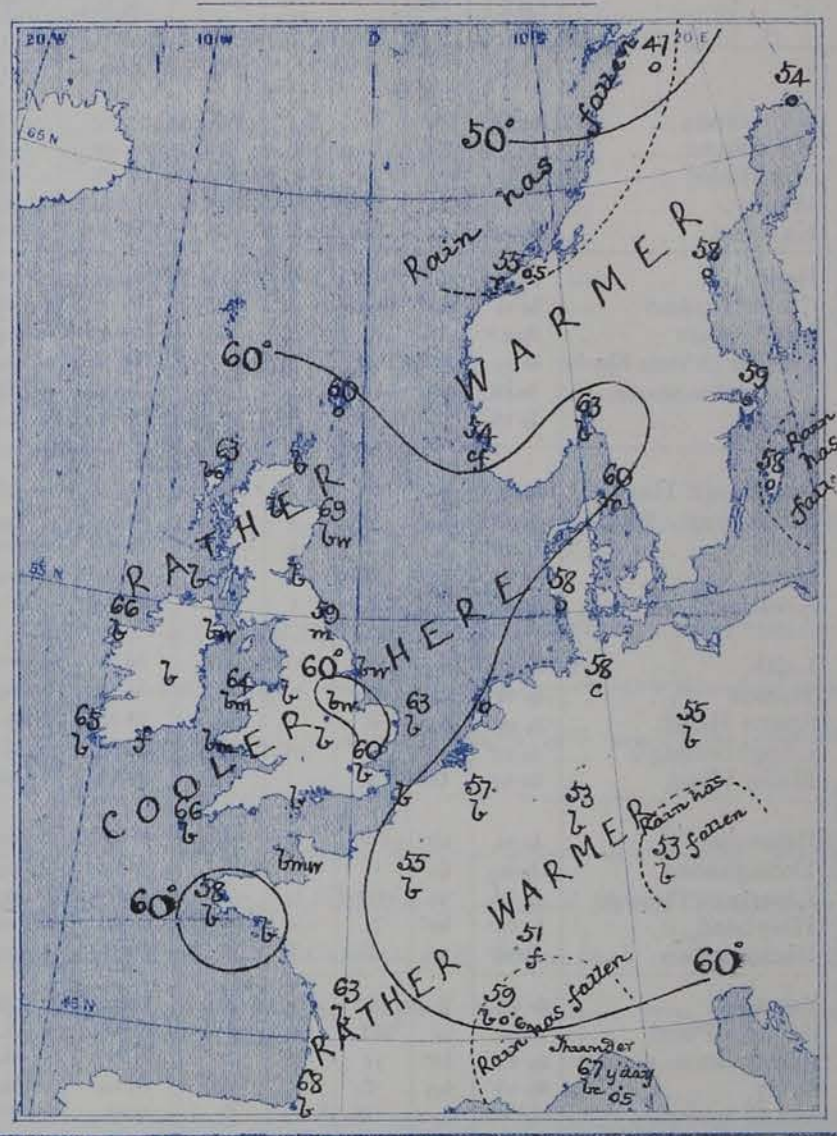


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR, 1871–95. Means of Dry Bulb 8 a.m.	Means of Wet Bulb 8 a.m.	Means of Daily Maximum.	Means of Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29·923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 ins and upwards over the greater part of Ireland, England, the Netherlands and W^rn and S^rn Germany; 30.1 ins. and upwards in an anticyclone embracing nearly the whole of W^rn and central Europe.
Lowest 29.7 ins. and less over Lapland, 30.0 ins. and less over the S^rn part of the Bay of Biscay.
Gradients slight. Barometer rising a little in most parts of our Islands, France & Germany, but falling in Scandinavia and Denmark.

TEMPERATURE

Highest (1) 69° at Aberdeen, 67° at Wick, and 66° at Malin H^d, Belmullet and Scilly; (2) 68° at Biarritz and 67° at Nice.
Lowest (1) 47° at Bodö, and 54° at Hernösand and Skudesnaes; (2) 51° at Belfort, and 53° at Wiesbaden and Munich; (3) 56° at Loughborough.
During yesterday the thermometer rose to 75° and upwards in several parts of the United Kingdom, and to 78° at Loughborough and Parsonstown.

WIND

Light to moderate from the E^wd or NE^wd over all the more southern parts of the United Kingdom, and also over France, the Netherlands and western Germany.
Light from the W^wd or SW^wd over the northern part of Gt Britain, W^ly to NW^ly over Scandinavia, Denmark and N Germany, and strong in force at Christiansund.

WEATHER

Fine and bright over W^rn Europe generally, but dull at many of the Scandinavian and Danish stations, with rain at Christiansund.
Rain fell yesterday in the W of Norway, and also in the S of France, with thunder at Nice. In our Islands the weather remained very dry.

SEA

Slight or smooth on nearly all coast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone shows at present no sign of giving way, and fine dry weather is therefore likely to continue for a time in nearly all parts of the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on 23RD AUGUST 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW^ly and W^ly winds, moderate; fair generally.	6 SCOTLAND WEST	Same as Nos 1 and 2.
1 SCOTLAND EAST 2 ENGLAND N.E.	Light breezes, chiefly SW^ly; fine, warm.	7 ENGLAND N.W.	Light variable airs, fine, warm.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	E^ly and NE^ly winds, light; fine, warm.	8 ENGLAND S.W.	E^ly and SE^ly winds, light; fine, warm.
		9 IRELAND NORTH 10 IRELAND SOUTH	Same as No 7.
		WARNINGS	None issued.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·26	59	57	NNW	4	b	2
Sumburgh Head	30·22	60	58	W	2	b	3
Stornoway... ...	30·21	69	64	WSW	4	c	4
Aberdeen	30·26	68	63	S	2	c	1
Shields	30·30	69	65	SE	2	b	2
Malin Head ...	30·24	70	62	E	1	b	1
Belmullet	30·28	72	65	WSW	1	b	*
Holyhead	30·30	74	67	SW	1	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·26	73	66	S	2	b	3
Scilly	30·26	73	67	ESE	1	b	0
Jersey	30·27	70	62	ENE	3	b	3
Portland Bill ...	30·30	66	54	SSE	3	b	3
Dungeness ...	30·29	67	60	ENE	4	b	3
London (Westminster)	30·30	71	59	E	2	b	*
Yarmouth ...	30·31	65	59	NE	2	b	3
Rochefort ...	30·08	84	70	NE	4	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over W^rn. and S^rn. Europe generally, and also in Sweden and Denmark, but rainy at some stations in N^rn. Italy and the extreme S. of France. Dull in most parts of Norway, Russia, Germany and Austria, with rain at Archangel, Moscow, Prague and Vienna. Rain falling later in the W. of Norway; thunder occurring at Nice in evening.

Temperature fallen in most countries, but risen in Scotland, and also on the E^rn. shores of the North Sea. Morning readings highest 81° at Palma, and 79° at Palermo, above 75° at several of the Mediterranean stations, and above 70° over S^rn. Europe generally. Lowest 48° at Bodö, 50° at Hey, 51° at Archangel, and 52° at Hernösand & Lemberg. Rising during day to 75° or slightly more in many parts of the United Kingdom, exceeding 80° in the W. and S. of France, and reaching 88° at Rochefort and Perpignan.

Wind light to moderate from the E^wd. or NE^wd. over the southern parts of England and also over France, Spain and northern Italy; N^ly. or NW^ly. over southern Italy and Greece. Calm or light from the S^wd. in Ireland and Scotland; N^ly. or NW^ly. over Scandinavia, Denmark the Baltic and western Russia; light from the W^wd. in Germany and Austria. Subsequently backing to the SW^wd. in the west of Norway, and blowing strongly.

Barometer highest 30.3 ins. and upwards at most of the English stations; 30.1 ins. and upwards in an anticyclone embracing nearly the whole of W^rn. and central Europe. Lowest 29.8 ins. and less in a large shallow depression over central Russia; 29.9 ins. and less in three other systems lying respectively over the Adriatic, the Gulf of Genoa and Morocco. No important change occurring over W^rn. Europe during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h hail; l. lightning; m. misty (haze); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France, at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on *Wednesday, 23rd August* **1899.**

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb	Wet Bulb	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.74	49	NNW	6	c	29.85	+.21	49	43	− 5	NNW	2	bc	•	c	•	61	46	–
	Hernösand	29.93	57	Z	0	b	30.02	+.12	54	47	− 4	NW	6	b	•	b	•	68	52	–
	Stockholm	29.98	66	NNW	2	b	30.02	.00	57	55	− 2	NE	4	0	•	b	•	73	52	0.08
	Wisby	30.06	60	SSW	4	b	29.99	−.10	61	59	+ 3	WNW	4	bc	•	b	•	64	50	–
	Karlstad	29.97	64	SSW	2	b	30.06	.00	62	57	+ 2	W	2	c	•	b	•	•	•	–
	Bodö	29.95	50	WSW	6	o	29.95	+.04	49	48	+ 2	WSW	6	o	4	o	•	50	45	0.08
	Christiansund ...	30.10	53	NNW	5	r	30.25	+.18	51	49	− 4	Z	0	o	2	r	•	55	50	0.59
	Skudesnaes ...	30.21	59	Z	0	r	30.22	−.01	55	54	+ 1	NNW	4	f	2	b, rf	•	63	52	•
	Færder (X'iania Fjord)	30.01	65	S	2	c	30.06	−.05	65	59	+ 2	NNW	2	b	2	c	•	68	63	–
	The Scaw (Skagen)	30.06	63	W	1	b	30.07	−.01	64	61	+ 4	NW	2	bc	0	b	•	72	59	–
	Fanö	30.23	59	WNW	4	o	30.22	.00	58	57	0	NW	4	o	•	o	•	68	57	–
BRITISH ISLANDS	Sumburgh Head ...	30.16	56	NSW	3	f	30.27	+.12	53	53	− 7	NE	1	m	3	f	•	61	51	0.01
	Stornoway	30.23	65	NW	4	o	30.20	−.01	59	58	− 4	SSE	2	bc	2	c.o	4.8	67	46	–
	Wick	30.23	62	S	1	b	30.27	+.04	64	60	− 3	S	1	b	0	b	•	73	56	–
	Nairn	30.23	69	W	1	b	30.26	+.01	56	55	− 8	Z	0	f	0	b	•	80	46	–
	Aberdeen	30.25	61	ESE	1	b	30.27	+.02	62	59	− 7	NE	2	bw	1	b	11.7	72	48	–
	Leith	30.22	73	W	1	b	30.25	−.02	59	58	− 6	W	1	m	•	b	•	78	50	–
	Shields	30.24	65	SE	1	m	30.25	−.03	57	57	− 2	Z	0	f	2	bcm. f	•	75	55	–
	Spurn Head ...	30.28	62	SE	4	b	30.28	−.05	58	57	− 3	S	3	cw	3	b	•	67	54	–
	Loughborough ...	30.26	80	SE	1	b	30.29	−.06	60	57	+ 4	ESE	1	bw	•	bv, bm	•	82	48	–
	Malin Head ...	30.24	62	E	2	b	30.10	−.10	64	60	− 2	SE	2	b	1	b	•	69	59	–
	Belmullet	30.21	71	NE	1	b	?30.09	−.24	67	59	+ 1	SSE	1	b	•	b	•	76	57	–
	Donaghadee ...	30.26	70	S	3	b	30.22	−.08	60	59	− 2	SE	2	bw	2	b	•	71	52	–
	Liverpool (Bidston)	30.25	69	NW	1	b	30.24	−.06	65	59	+ 3	SE	1	b	?	bm	•	75	58	–
	Holyhead	30.24	68	NE	1	b	30.21	−.09	68	63	+ 4	S	1	bcm	1	b	•	68	59	–
	Parsonstown ...	30.21	77	SE	1	b	30.15	−.15	67	60	+ 3	SE	1	b	•	b	11.4	80	54	–
	Valencia	30.17	74	SE	2	bm	30.05	−.22	67	60	+ 2	SE	3	bm	3	bm	13.3	78	58	–
	Roche's Point ...	30.26	71	SE	3	b	30.15	−.15	68	64	+ 3	SE	4	b	4	b	•	72	58	–
	Pembroke (St. Ann's Hd.)	30.24	70	NE	3	b	30.20	−.11	67	65	+ 4	SE	4	b	3	b	12.0	72	59	–
	Scilly	30.22	66	E	5	b	30.13	−.11	66	63	0	ESE	5	b	1	b	13.0	70	61	–
	Jersey (St. Aubin's) ...	30.21	72	NE	4	b	30.20	−.06	68	63	+ 3	E	3	bm	3	b	•	77	59	–
	Portland Bill ...	30.27	65	ESE	3	b	30.25	−.06	64	62	+ 2	E	3	b	2	b	•	69	?62	–
	Dungeness	30.27	63	ENE	4	b	30.25	−.06	67	64	0	ENE	3	b	2	b	•	69	61	–
	London (Brixton) ...	30.27	70	E	2	b	30.28	−.07	60	59	0	ESE	2	bm	•	b, f	11.0	80	55	–
	Oxford	30.27	69	SE	2	b	30.29	−.05	58	57	− 4	SE	1	o	•	b	•	79	50	–
	Yarmouth	30.30	63	SE	2	b	30.29	−.04	63	60	0	SE	2	bcw	2	bv	•	65	58	–
GERMANY.	Cuxhaven	30.26	63	?NW	2	m	30.24	+.01	59	59	+ 1	NNW	3	m	•	m	•	64	57	–
	Berlin	30.23	64	Z	0	b	30.22	−.04	57	55	+ 2	NW	2	o	•	b	•	72	55	–
	Wiesbaden	•	•	•	•	•	30.29	−.02	58	55	+ 3	E	1	bc	•	•	•	72	50	–
	Munich	30.34	56	SE	2	b	30.34	+.01	54	51	+ 1	Z	0	b	•	b	•	64	45	–
FRANCE & NETHERLANDS.	The Helder ...	30.31	60	N	1	b	30.31	+.01	58	57	− 2	Z	0	o	0	b	•	66	55	–
	Brussels	•	•	•	•	•	30.30	−.03	62	58	+ 5	E	3	b	•	b	•	74	50	–
	C. Gris Nez ...																•			
	Paris	30.22	74	ENE	2	b	30.24	−.04	61	55	+ 6	ENE	1	b	•	b	•	79	52	–
	Brest	30.13	75	NE	2	b	30.13	−.08	63	59	+ 5	E	1	b	1	b	•	81	56	–
	Lorient	30.13	73	W	1	b	30.13	−.06	63	?	+ 4	E	3	b	2	b	•	88	59	–
	Rochefort	30.00	82	E	3	b	30.08	+.04	63	57	0	E	3	b	•	b	•	95	59	–
	Belfort	30.19	67	ENE	2	b	30.23	+.02	57	51	+ 6	ENE	5	m	•	b	•	73	49	–
	Lyons	30.12	72	NW	1	b	30.19	.00	62	57	+ 3	E	1	?b	•	b	•	78	53	–
	Nice	30.10	69	SE	1	c	30.17	+.13	66	59	− 1	E	1	o	0	c	•	82	63	–
	Perpignan	30.07	74	SE	1	b	30.13	+.05	70	67	+ 5	Z	0	b	•	b	•	80	61	–
	Biarritz	29.98	75	NNW	3	b	29.99	−.01	72	66	+ 4	SE	2	b	2	b	•	79	66	–
SPAN. PEN.	Corunna																•			
	Lisbon														•		•			
	Azores (P. Delgada)																•			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 10.4 *hrs.*

WEATHER CHARTS

FOR Wednesday, 23rd August, 1899.

BAROMETER, WIND AND SEA.

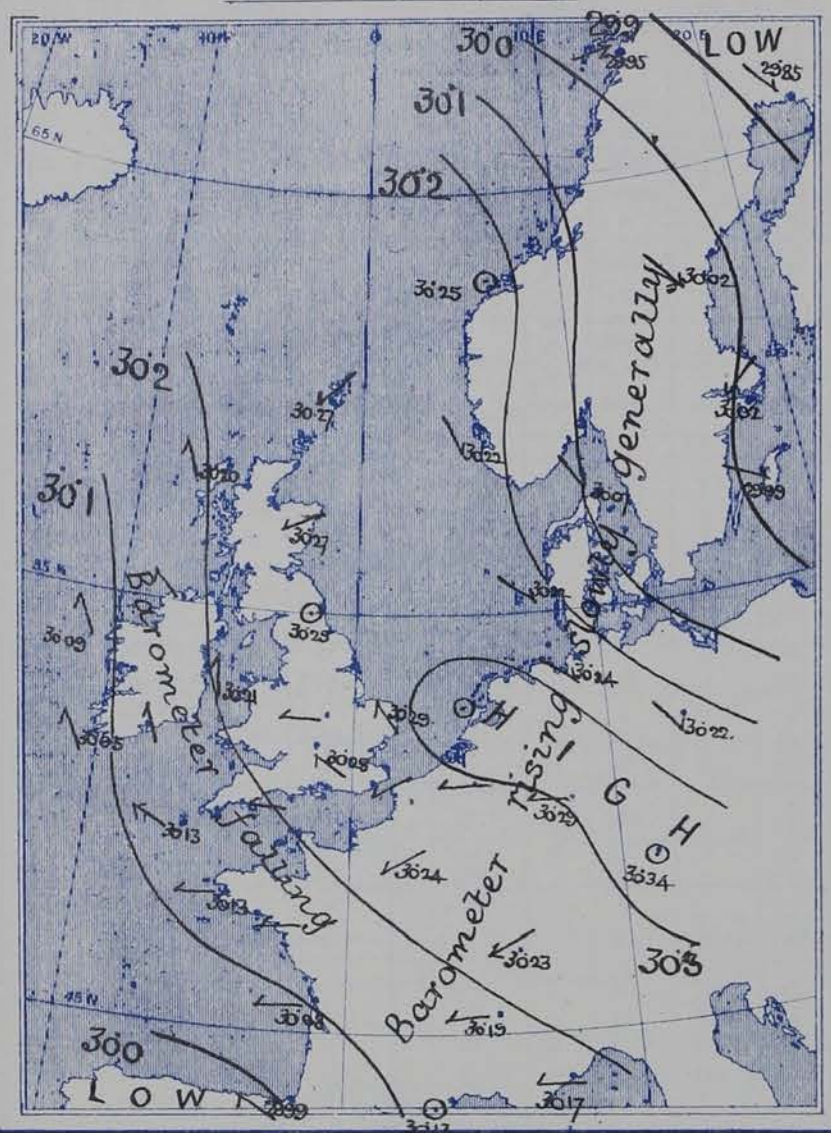
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ➢⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ➢⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

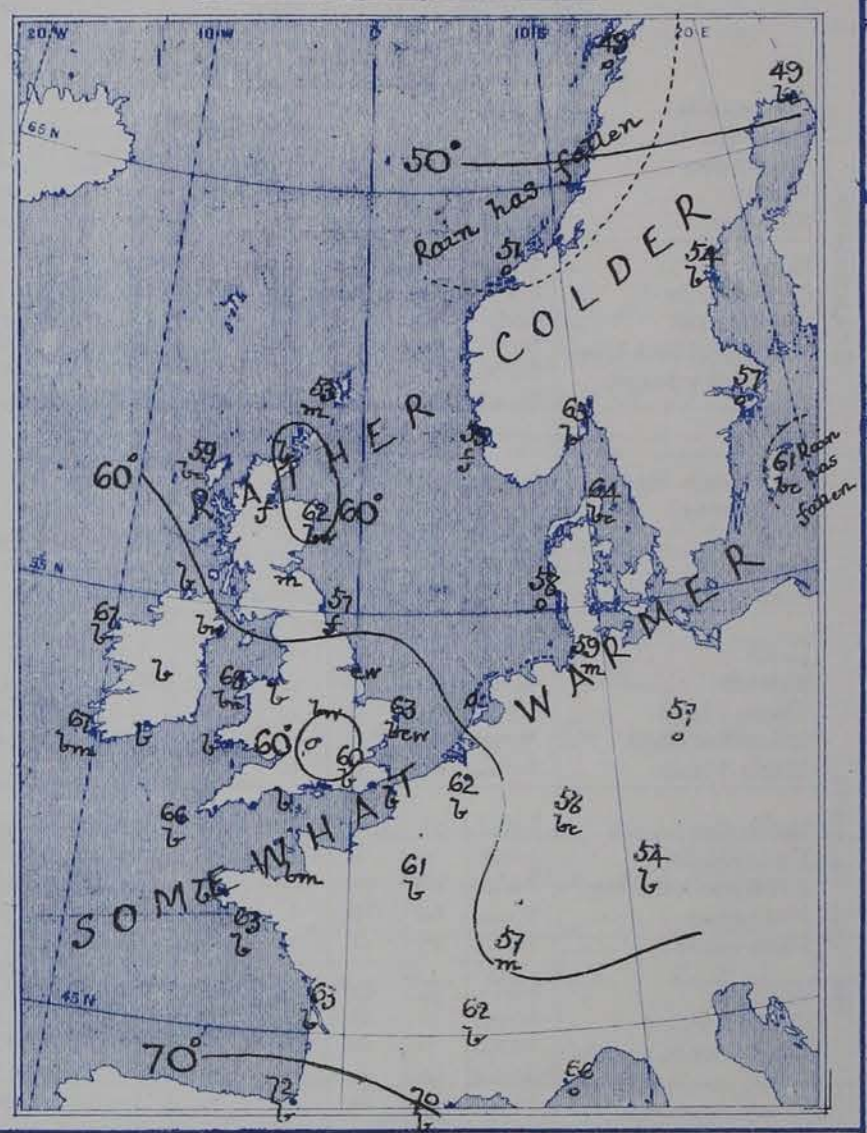


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR, 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29.923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and upwards over the Netherlands and the central and southern parts of Germany; 30·1 in: and upwards in an anticyclone covering the whole of western and central Europe.
Lowest, 29·9 in: and less in Lapland; 30·0 in: and less, in the extreme southwest of France.
Gradients slight. Barometer falling in the west and south of our Islands, but rising elsewhere.

TEMPERATURE

Highest, 72° at Biarritz, 70° at Perpignan, and 68° at Holyhead, Rocket Point, and Jersey.
Lowest, (1) 49° at Bodö and Haparanda, 51° at Christiansund, and 53° at Lerwick Hd.; (3) 54° at Munich, 57° at Berlin and Belfort.
During yesterday the thermometer rose to 75° and upwards in many parts of the United Kingdom, to 80° at Nairn, Pavenham and in London, and to 82° at Loughborough.

WIND

Light from the S. or SE. over the greater part of our Islands, but from the E. in the south of England and also over France.
NW. over Scandinavia, Denmark, and North Germany, and strong in force at Bodö and Hernösand.

WEATHER

Fine and bright over Western Europe generally, but foggy or hazy in a few places; dull in the west of Norway and also over Holland and North Germany.
Rain fell yesterday in the west of Norway and at Stockholm, but in all other parts of our area the weather remained very dry.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone appears to be now moving slowly eastwards, and a gradual change in the weather is probable in our Islands, — commencing in the west and spreading slowly eastwards.

FORECASTS

For the 24 hours ending at NOON on 24th AUGUST, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	S. and SE. winds, light; fine generally.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	E. winds, light; fine, warm.
6 SCOTLAND WEST 7 ENGLAND N.W.	Same as No. 0 to 2
8 ENGLAND S.W.	E. and SE. winds, moderate or fresh; fine generally.
9 IRELAND NORTH 10 IRELAND SOUTH	S. and SE. winds, moderate; fine at first, cloudy later, with local thunder showers.
WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·24	63	59	W	2	b	1
Sumburgh Head	30·15	57	57	WNW	4	f	4
Stornoway... ...	30·22	67	61	WNW	4	o	4
Aberdeen	30·26	66	61	ESE	2	b	1
Shields	30·26	74	69	SE	2	bcm	2
Malin Head ...	30·26	69	64	E	1	b	4
Belmullet	30·20	76	67	ESE	1	b	*
Holyhead	30·29	68	65	NW	1	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·22	73	64	WSW	1	bcm	3
Scilly	30·24	69	63	E	5	b	1
Jersey	30·24	77	66	E	3	b	3
Portland Bill ...	30·30	68	64	ESE	4	b	3
Dungeness ...	30·29	68	63	ENE	4	b	3
London (Westminster)	30·30	73	61	E	3	b	*
Yarmouth ...	30·32	65	60	ESE	3	bv	2
Rochefort ...	30·08	90	73	E	4	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine and bright over western, central, and southern Europe generally, but dull at some of the German and Austrian stations, with rain at Breslau; dull also over Scandinavia, with rain at Christiansund. Rain falling later in the west of Norway, and at Stockholm, but weather remaining very dry in our Islands.

Temperature fallen a little over England, but risen in most other countries. Morning readings highest 81° at Sfax, and 79° at La Calle, Palermo and Malta; above 70° in many parts of southern Europe, and very little below it on the northern coasts of Scotland. Lowest, (1) 47° at Bodö, and 54° at Haparanda and Wexford; (2) 51° at Belfort and 53° at Munich. Rising during day to between 75° and 80° in most parts of the United Kingdom and to 82° at Loughborough; exceeding 80° also in the west and south of France, and reaching 88° at Lorient.

Wind light to moderate from the E. or NE. over the southern parts of the United Kingdom, and also over most of Germany, France, and the Spanish Peninsula; N. in Italy, variable at the Mediterranean stations. Light from the W. or SW. over the northern parts of Great Britain; W. or NW. over Scandinavia, Denmark, North Germany, and the Baltic, and strong gale in force at Christiansund. No important change occurring during day.

Barometer highest 30·3 ins. and upwards over the greater part of Ireland, England, the Netherlands and Western Germany; 30·1 ins. and upwards in an anticyclone embracing nearly the whole of western and central Europe. Lowest 29·7 ins. and less, in a shallow depression over Lapland; 29·9 ins. and less, in another shallow area over the eastern parts of the Mediterranean. No important change occurring during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 24th August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.76	52	W	2	0	29.81	-.04	44	41	-5	N	2	b	*	0	*	61	39	-
	Hernösand	30.08	52	SW	0	b	30.07	+.05	50	42	-4	NW	6	b	*	b	*	64	46	-
	Stockholm	30.15	55	SW	0	b	30.14	+.12	55	49	-2	N	2	b	*	b	*	66	52	-
	Wisby	30.15	53	E	4	b	30.18	+.19	58	54	-3	NNW	4	b	*	b	*	63	50	-
	Karlstad	30.15	58	NE	2	b	30.23	+.17	55	48	-7	NE	2	0	*	b	*	*	*	-
	Bodö	29.97	45	W	6	c	30.17	+.22	45	43	-4	NW	2	c	2	c	*	52	41	0.20
	Christiansund ...	30.29	53	NNW	2	b	30.31	+.06	52	48	+1	ENE	2	c	2	bc	*	55	50	-
	Skudesnaes ...	30.24	53	NNW	4	b	30.24	+.02	54	51	-1	N	2	b	1	b	*	59	?	*
	Færder (X'iania Fjord)	30.10	65	N	1	b	30.21	+.15	58	51	-7	NE	4	c	2	b	*	66	57	-
	The Scaw (Skagen)	30.15	62	NW	1	bc	30.19	+.12	64	60	0	NW	1	b	0	bc	*	70	54	-
	Fanö	30.19	56	NW	4	c	30.22	.00	55	54	-3	NW	1	b	*	c	*	64	54	-
BRITISH ISLANDS.	Sumburgh Head ...	30.24	55	ESE	1	0	30.17	-.10	54	54	+1	ESE	4	f	4	0	*	57	52	-
	Stornoway	30.08	66	WSW	2	bc	29.93	-.27	63	60	+4	S	0	bc	0	b.bc	11.9	71	52	-
	Wick	30.17	57	S	3	c	30.09	-.18	57	56	-7	S	4	f	3	c	*	66	54	-
	Nairn	30.14	65	E	2	c	30.04	-.22	56	56	0	S	0	f	0	c	*	68	48	-
	Aberdeen	30.20	61	S	2	b	30.13	-.14	57	57	-5	SSE	3	o g f w	3	f.b	11.8	65	55	-
	Leith	30.15	65	NNE	2	bc	30.08	-.17	64	60	+5	ENE	1	b	*	bc	*	70	55	-
	Shields	30.18	65	SE	2	m	30.14	-.11	58	58	+1	SSE	2	m	2	m	*	71	54	-
	Spurn Head ...	30.23	63	ESE	3	b	30.19	-.09	63	61	+5	SSE	3	bw	3	b.f	*	67	57	-
	Loughborough ...	30.18	61	SE	1	b	30.16	-.13	64	61	+4	ESE	3	b	*	bc.b.om	*	84	54	-
	Malin Head ...	30.03	73	SSE	4	bcm	29.86	-.30	67	60	+3	SE	5	b	2	bcm	*	77	59	-
	Belmullet	29.98	75	S	1	b	29.79	-.30	68	62	+1	S	5	c	*	b	*	78	60	-
	Donaghadee ...	30.12	65	S	3	bf	29.99	-.23	63	60	+3	SSE	4	bm	4	b	*	70	57	-
	Liverpool (Bidston) ...	30.14	76	E	2	b	30.06	-.18	64	60	-1	ESE	3	b	3	b	*	78	58	-
	Holyhead	30.12	69	NE	1	b	30.00	-.21	70	63	+2	NE	1	b	0	b	*	76	59	-
	Parsonstown ...	30.05	75	SE	1	b	29.90	-.25	66	62	-1	S	1	0	*	b	12.0	78	60	-
	Valencia	29.95	74	SE	4	b	29.79	-.26	68	65	+1	SSE	6	0	4	b	12.9	79	65	-
	Roche's Point ...	30.07	70	ESE	4	b	29.90	-.25	67	64	-1	S	5	c	4	b	*	72	65	-
	Pembroke (St. Ann's Hd.)	30.11	70	SE	3	b	29.99	-.21	65	64	-2	SE	4	bm	4	b	12.8	74	58	-
	Scilly	30.08	68	ESE	4	b	29.98	-.15	69	65	+3	S	4	c	1	b	12.3	72	62	-
	Jersey (St. Aubin's) ...	30.09	77	ENE	4	b	30.07	-.13	73	64	+5	ENE	2	bm	2	bm	*	83	61	-
	Portland Bill ...	30.15	67	ESE	4	b	30.09	-.16	68	67	+4	ESE	4	b	3	bm.b	*	71	61	-
	Dungeness	30.18	66	ENE	4	b	30.15	-.10	67	65	0	ENE	3	bc	2	b	*	72	64	-
	London (Brixton) ...	30.20	71	E	2	b	30.16	-.12	65	62	+5	E	1	bmw	*	b	9.0	84	59	-
	Oxford	30.18	69	SE	3	b	30.13	-.16	68	62	+10	SE	3	bw	*	b	*	80	53	-
	Yarmouth	30.23	63	SE	3	c	30.19	-.10	64	62	+1	ESE	4	c	3	b.c	*	67	59	-
GERMANY.	Cuxhaven	30.23	61	NW	2	0	30.21	-.03	59	56	0	NW	2	b	*	0	*	64	57	-
	Berlin	30.15	67	NW	3	0	30.17	-.05	61	57	+4	NW	3	0	*	0	*	72	57	-
	Wiesbaden	*	*	*	*	*	30.22	-.07	61	58	+3	E	2	b	*	*	*	77	54	-
	Munich	30.27	62	SW	2	c	30.25	-.09	58	54	+4	W	2	b	*	c	*	70	50	-
FRANCE & NETHERLANDS.	The Helder ...	30.26	62	N	1	b	30.24	-.07	59	58	+1	S	0	0	0	b	*	68	57	-
	Brussels	*	*	*	*	*	30.20	-.10	66	60	+4	E	3	b	*	b	*	80	56	-
	C. Gris Nez ...	30.21	66	E	2	m	30.17		65	60		SE	2	m	1	m	*	73	52	-
	Paris	30.16	79	E	2	b	30.16	-.08	59	55	-2	NE	1	b	*	b	*	84	52	-
	Brest	30.05	74	NNW	1	b	30.04	-.09	64	60	+1	E	1	b	0	b	*	86	59	-
	Lorient	30.07	76	S	1	b	30.04	-.09	65	60	+2	ESE	3	b	1	b	*	88	63	-
	Rochefort	30.04	75	NW	2	b	30.03	-.05	68	63	+5	SE	3	b	*	b	*	91	59	-
	Belfort	30.12	71	ENE	3	b	30.17	-.06	57	53	0	E	1	m	*	b	*	78	51	-
	Lyons														*		*			
	Nice	30.11	70	NW	3	bc	30.10	-.07	67	61	+1	E	3	b	1	bc	*	79	61	-
	Perpignan	30.09	76	E	1	b	30.11	-.02	69	67	-1	S	0	0		b	*	83	62	-
	Biarritz	29.98	79	NE	3	b	30.01	+.02	72	67	0	S	0	b	1	b	*	84	64	-
SPAN. PEN.	Corunna																*			
	Lisbon														*		*			
	Azores (P. Delgada)	30.05	75	SW	4	bc	30.06	+.11	74	72	+1	WSW	4	0	3	bc	*	79	72	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 10·5 hrs.

WEATHER CHARTS

FOR Thursday. 24th August, 1899.

BAROMETER, WIND AND SEA.

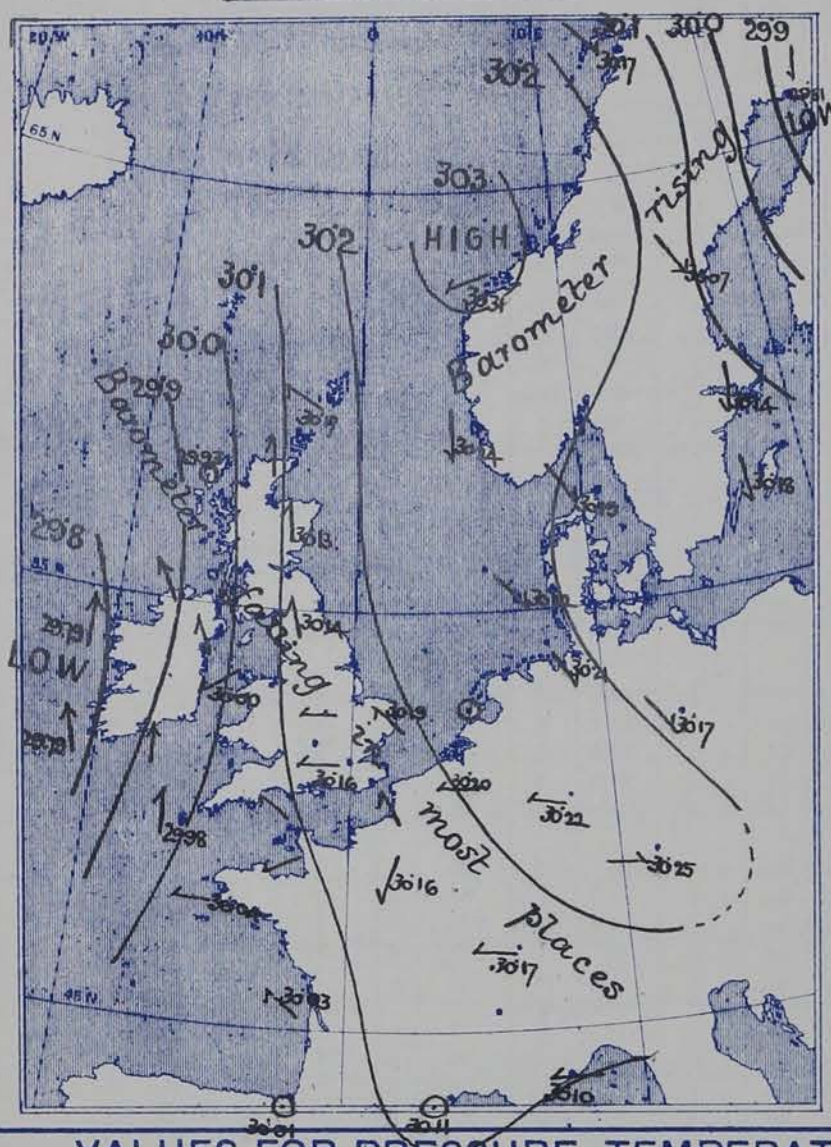
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

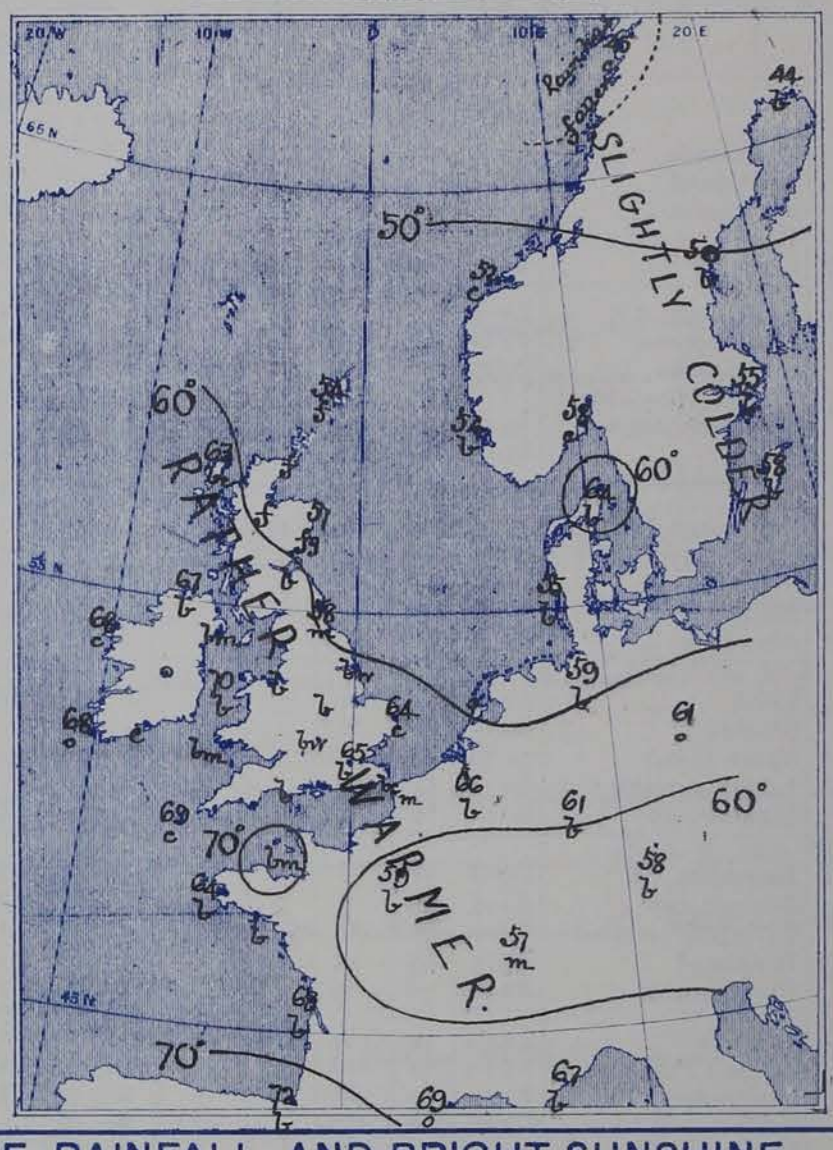


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29·923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·31 in: at Christiansund; 30·1 in: in an anticyclone embracing all the eastern parts of Great Britain, and most of the western and central parts of the Continent.
Lowest, 29·8 in: and less, in a depression lying off the west of Ireland; 29·9 in: and less in another system over Lapland.
Gradients slight. Barometer falling in most part of our Islands and the north and west of France, but rising elsewhere.

TEMPERATURE

Highest, 73° at Jersey, 72° at Biarritz, 70° at Holyhead, and 69° at Scilly and Perpignan.
Lowest, 44° at Haparanda, 45° at Bodö, 50° at Hernösand, 52° at Christiansund, and 54° at Skudesnaes and Stornoway Head.
During yesterday the thermometer rose to 75° and upwards in Ireland, to 80° and upwards in several parts of England, and to 84° in London and at Loughborough.

WIND

SE? or S? over the United Kingdom generally, and fresh or strong in force on the Irish coasts, light from the E. over the English Channel, France, and Belgium.
N? or NW? over Scandinavia, Denmark and North Germany, and strong in force at Hernösand.

WEATHER

Fine and bright over Western Europe as a whole, but cloudy or dull in the south of Ireland, and foggy on the north and east coasts of Scotland.
The only station reporting any rain is Bodö, where 0·2 in: has been measured.

SEA

Moderate on several parts of our western coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure system which has appeared off the Irish coasts is inclined to spread eastwards and is likely to occasion cloudy unsettled weather in most of our western districts. In the eastern parts of the Kingdom the weather will probably remain fine for the present.

FORECASTS

For the 24 hours ending at NOON on 25th August 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S. and SE. winds, light or moderate, fair generally, but misty or foggy in places.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	E. and SE. winds, light or moderate; fine, warm.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	S. and SE. winds, light or moderate; fine at first, cloudy later, with rain and thunder locally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	S. and SE. winds, fresh or strong; cloudy, some rain, thunder locally.
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·25	59	54	NNW	4	b	2
Sumburgh Head	30·27	57	55	ESE	1	o	3
Stornoway... ...	30·16	68	62	SW	2	b	2
Aberdeen	30·24	64	61	E	2	b	1
Shields	30·22	65	63	ESE	2	m	2
Malin Head ...	30·07	77	67	SSE	4	b	1
Belmullet	30·05	78	64	S	1	b	*
Holyhead	30·19	76	67	Z	0	b	0
Valencia	30·01	75	63	SSE	4	b	4
Scilly	30·10	70	66	ESE	4	b	1
Jersey	30·16	82	68	E	3	b	3
Portland Bill ...	30·21	70	67	SE	4	bm	3
Dungeness ...	30·23	71	66	ENE	4	bc	3
London (Westminster)	30·22	77	68	E	1	b	*
Yarmouth ...	30·27	66	62	SE	3	b	2
Rochefort ...	30·08	87	71	NW	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over Europe as a whole, but with fog or mist on some parts of the North Sea coasts and also over Germany. Dull in the west of Norway and many parts of northern Russia. A little rain falling later at Bodö, but weather in our Islands remaining very dry.

Temperature fallen in the northern parts of our Islands and Scandinavia and also in Italy, but risen elsewhere. Morning readings highest 84° at Bilbao, 80° at La Calle, and 78° at Barcelona and Palma; above 70° in many parts of Southern Europe, and above 65° over all the southwestern parts of the United Kingdom. Lowest 47° at Uleaborg, 48° at Archangel, 49° at Haparanda and Bodö. Rising during day to 75° and upwards in Ireland and to 80° and upwards in many parts of England and France; reaching 84° at Loughboro, London and Paris, 86° at Brest, and 88° at Lorient.

Wind light from the S^ly or SE^ly over the greater part of our Islands, but from the E^ly or NE^ly in the south of England and also over Belgium, France and northern Italy. N^ly over the Spanish Peninsula and southern Italy; NW^ly or W^ly in Greece. NW^ly over Scandinavia, Denmark, and the northern parts of Russia and Germany; W^ly or SW^ly over Central Russia and eastern Germany. Subsequently shifting to the NW^ly in the west of France; no important change occurring elsewhere.

Barometer highest 30·3 in. and upwards over the Netherlands; 30·1 in. and upwards in an anticyclone covering the whole of western and central, and a considerable portion of southern Europe. Lowest 29·6 in. and less, in a depression over the White Sea; 29·8 in. and less, in another system over Asia Minor; 30·0 in. and less, in a shallow area over the north of Spain. Fall taking place over Western Europe during day, and new low pressure system appearing off the Irish coast.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday 25th August 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda	30·13	45	N	4	b	30·36	+ ·55	45	40	+ 1	NE	6	c	•	b	•	54	34	—
	Hernösand	30·20	50	N	2	b	30·34	+ ·27	48	43	− 2	N	6	b	•	b	•	61	45	—
	Stockholm	30·19	53	Z	0	b	30·21	+ ·07	51	46	− 4	NW	8	bc	•	b	•	61	46	—
	Wisby	30·18	51	N	4	b	30·22	+ ·04	53	48	− 5	NNE	8	b	•	b	•	61	46	—
	Karlstad	30·21	55	N	2	b	30·33	+ ·10	49	44	− 6	N	2	b	•	b	•	•	•	—
	Bodö	30·34	49	N	1	c	30·41	+ ·24	47	44	+ 2	E	2	b	1	c	•	50	43	—
	Christiansund ...	30·30	50	ENE	3	b	30·20	− ·11	54	46	+ 2	ESE	4	b	2	b	•	54	48	—
	Skudesnaes ...	30·18	56	NNW	4	b	30·23	− ·01	55	54	+ 1	SE	2	b	1	b	•	64	50	—
	Færder (X'iania Fjord)	30·18	63	N	2	o	30·34	+ ·13	52	46	− 6	NE	4	c	2	o	•	64	52	—
	The Scaw (Skagen)	30·17	63	Z	o	bc	30·29	+ ·10	57	56	− 7	E	4	b	1	bc	•	72	55	—
	Fanö	30·20	56	NW	3	c	30·20	− ·02	56	53	+ 1	N	1	c	•	c	•	64	55	—
BRITISH ISLANDS	Sumburgh Head ...	30·07	55	ESE	4	m	30·03	− ·14	54	54	0 †	ESE	4	f	5	m	•	56	52	—
	Stornoway	29·83	71	S	4	b	29·85	− ·08	65	62	+ 2	Z	0	o	0	b	12·1	75	60	—
	Wick	29·96	57	S	6	f	29·96	− ·13	58	55	+ 1	S	3	f	3	f	•	62	54	—
	Nairn	29·90	80	WSW	1	o	29·90	− ·14	74	65	+ 18	Z	0	b	0	o	•	86	54	—
	Aberdeen	30·05	57	S	5	ogmq	30·02	− ·11	56	56	− 1	SSE	3	of	3	fog, gmq	0·0	58	54	—
	Leith	29·96	67	Z	0	b	29·96	− ·12	61	58	− 3	E	1	bc	•	b	•	81	57	—
	Shields	30·04	62	SE	3	bm	30·01	− ·13	59	59	+ 1	SSE	2	m	3	bm	•	68	55	—
	Spurn Head ...	30·08	62	ESE	6	c	30·05	− ·14	64	62	+ 1	SE	4	bw	3	c	•	67	60	—
	Loughborough ...	30·03	80	SE	3	b	30·01	− ·15	64	61	0	ESE	2	bmw	•	b, bm	•	87	56	—
	Malin Head ...	29·79	72	S	4	bc	29·87	− ·05	63	61	− 4	E	2	op	2	b, bc	•	78	63	—
	Belmullet	29·78	66	S	3	r	29·74	− ·05	64	63	− 4	SE	2	o	•	o, r	•	71	61	0·67
	Donaghadee ...	29·91	63	S	3	b	29·88	− ·11	60	59	− 3	SSE	1	o	2	b	•	67	57	—
	Liverpool (Bidston) ...	29·96	80	SE	2	b	29·92	− ·14	66	61	+ 2	ESE	3	b	3	b	•	85	59	—
	Holyhead	29·96	66	SW	2	b	29·87	− ·13	67	62	− 3	SW	2	c	1	b	•	76	59	—
	Parsonstown ...	29·86	70	SE	1	o	29·77	− ·13	65	62	− 1	SE	2	o	•	b, o	8·0	75	63	—
	Valencia	29·81	66	S	2	r	29·79	·00	61	59	− 7	W	5	r	5	og, r	0·1	71	59	2·22
	Roche's Point ...	29·88	67	SSW	5	r	29·79	− ·11	65	63	− 2	SW	4	cp	4	p	•	72	62	0·15
	Pembroke (St. Ann's Hd.)	29·96	67	S	1	b	29·90	− ·09	64	63	− 1	S	3	o	3	b	12·4	69	61	0·01
	Scilly	29·96	68	SSE	2	c	29·91	− ·07	68	64	− 1	SW	5	c	2	c	7·5	73	63	0·01
	Jersey (St. Aubin's) ...	29·98	83	ESE	1	bm	30·00	− ·07	71	65	− 2	SSW	2	bmw	2	bm	•	85	67	—
	Portland Bill ...	30·02	68	E	4	bm	29·98	− ·11	68	65	0	SSW	1	bc	3	bm	•	72	62	—
	Dungeness	30·06	68	ENE	3	b	30·05	− ·10	70	66	+ 3	SE	2	b	1	bc, b	•	74	66	—
	London (Brixton) ...	30·06	75	E	3	b	30·03	− ·13	68	63	+ 3	E	2	b	•	b, bw	9·3	88	58	—
	Oxford	30·04	71	SSE	2	b	30·00	− ·13	71	63	+ 3	SSE	2	b	•	b	•	85	54	—
	Yarmouth	30·13	63	ESE	3	bc	30·08	− ·11	65	62	+ 1	ESE	4	bw	4	c, bc	•	65	61	—
GERMANY	Cuxhaven	30·18	61	NNW	2	b	30·17	− ·04	57	55	− 2	NE	1	b	•	b	•	63	54	—
	Berlin	30·17	63	NW	1	b	30·17	·00	60	55	− 1	NW	1	b	•	b	•	66	54	—
	Wiesbaden	•	•	•	•	•	30·16	− ·06	60	57	− 1	E	1	b	•	•	•	75	54	—
	Munich	30·21	60	SE	2	b	30·21	− ·04	58	56	0	NW	1	b	•	b	•	72	48	—
FRANCE & NETHERLANDS	The Helder ...																•			
	Brussels	•	•	•	•	•	30·12	− ·08	68	61	+ 2	S	2	b	•	b	•	81	54	—
	C. Gris Nez ...	30·09	69	E	3	m	30·06	− ·11	72	62	+ 7	SSE	1	m	0	m	•	81	63	—
	Paris	30·07	79	E	2	b	30·09	− ·07	62	56	+ 3	Z	0	b	•	b	•	87	55	—
	Brest	29·98	74	Z	0	bc	29·98	− ·06	65	64	+ 1	SSW	1	bc	1	bc	•	79	61	—
	Lorient	29·98	73	Z	0	b	30·02	− ·02	68	66	+ 3	W	2	c	2	b	•	91	63	—
	Rochefort	29·98	73	NW	1	b	30·02	− ·01	71	68	+ 3	ESE	1	b	•	b	•	90	66	—
	Belfort	30·06	72	E	3	b	30·12	− ·05	59	55	+ 2	NE	1	m	•	b	•	80	53	—
	Lyons	30·04	78	N	1	b	30·10	− ·04	62	59	+ 1	ESE	1	b	•	b	•	86	54	—
	Nice	30·06	70	S	1	bc	30·10	·00	69	63	+ 2	E	2	c	0	bc	•	79	61	—
	Perpignan	30·00	75	E	1	b	30·10	− ·01	69	68	0	W	1	bc	•	b	•	82	63	—
	Biarritz	29·95	76	NE	3	b	29·99	− ·02	75	73	+ 3	WSW	4	b	2	b	•	84	72	—
SPAN. PEN.	Corunna																•			
	Lisbon														•		•			
	Azores (P. Delgada)	30·12	72	ESE	1	c	30·10	+ ·04	73	71	− 1	E	1	c	3	c	•	79	68	0·04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 12·5 *hrs.*

WEATHER CHARTS

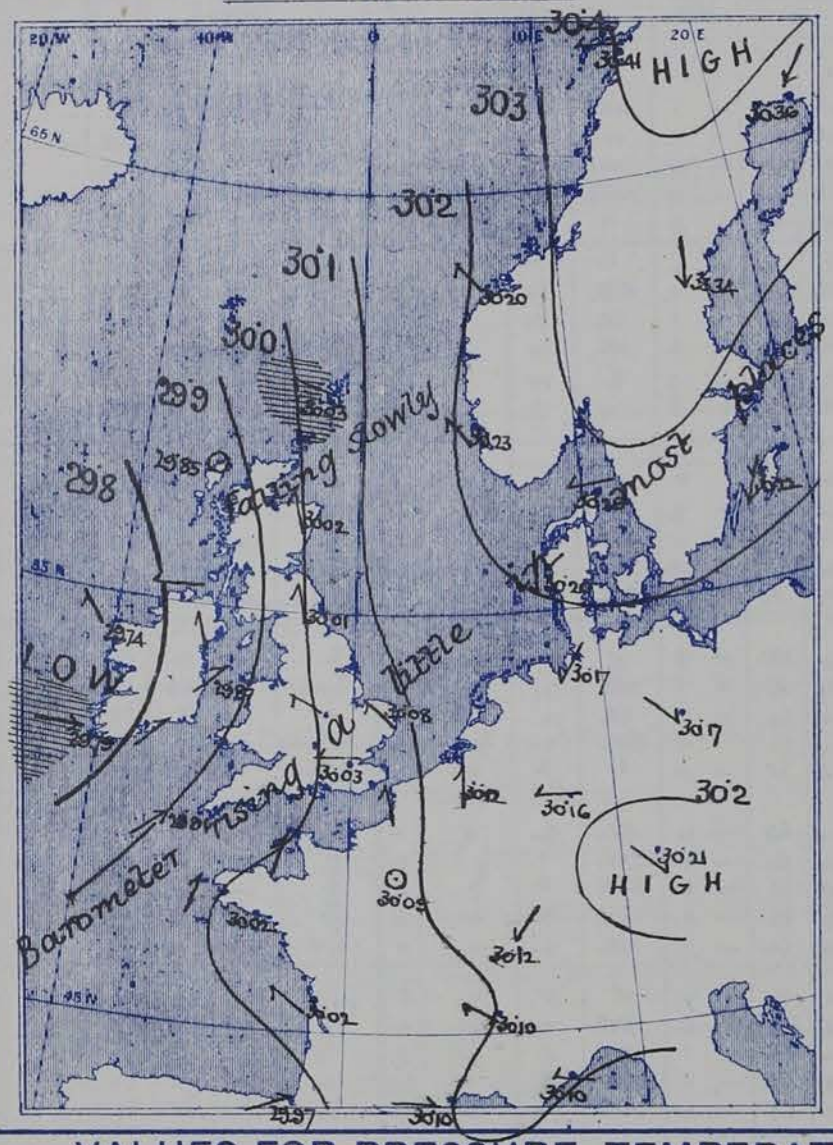
FOR *Friday, 25th August,* 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ➛ : *Force 5 to 7* ➛ : } Calm ⊙
Force 8 to 10 ➛ : *Force 1 to 4* ➛ : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 · 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 · 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough ...	29 . 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 830	56 · 1	53 · 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia.....	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point ...	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point.....	29 · 968	60 · 0	57 · 9	65 · 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover.....	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON.....	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 · 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.41 ins. at Bodö, 30.1 ins. and upwards in an anticyclone covering the North Sea and the northern and central parts of the Continent generally.
Lowest 29.8 ins. and less in a shallow depression lying over and to the W^ward of Ireland.
Gradients slight. Barometer falling a little in the N^rn parts of our Islands, but rising in most other localities.

TEMPERATURE

Highest (1) 75° at Biarritz, 72° at Cape Gris Nez, and 71° at Boxford, Jersey and Rochefort, (2) 74° at Nairn.
Lowest 45° at Haparanda, 47° at Bodö, 48° at Hernösand, 49° at Karlstad, and 51° at Stockholm; lowest in our Islands, 54° at Sumburgh Hd., and 56° at Aberdeen.
During yesterday the thermometer rose to between 80° and 85° in many parts of Gt. Britain, to 86° at Nairn, 87° at Loughborough, and 88° in London.

WIND

Light from the SE^ward over the greater part of the United Kingdom, and also in the west of Norway, but moderate to fresh from the SW^ward on our extreme southwest coasts, and from the W^ward at Valencia (Ireland).
Variable in France; N^ly in Sweden and Denmark, with a gale at Stockholm and Visby; light from the NW^ward in Germany.

WEATHER

Fine and bright over W^rn Europe as a whole, but foggy on the NE. coasts of Scotland, and dull in Ireland, with rain at Valencia, and passing showers at Malin Hd. and Roche's Point. Thunder was reported at Biarritz.
Heavy rain has fallen in the W. of Ireland (as much as 2.2 ins. at Valencia, and 0.7 in. at Belmullet) and slight quantities at Roche's Pt., Pembroke and Scilly.

SEA

Rather rough at Sumburgh Hd. and Valencia (Ireland), slight or smooth in most other places.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression in the W. appears to be moving N^wds. Cloudy unsettled weather is still probable in most of our W^rn districts, but at present there are no distinct indications of its extension to our central or E^rn stations.

FORECASTS

For the 24 hours ending at NOON on 26TH AUGUST 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S^ly and SE^ly winds, light, dull, some mist or fog, rain locally.
1 SCOTLAND EAST	SE^ly winds, light or moderate; fair generally.
2 ENGLAND N.E.	
3 ENGLAND EAST	
4 MIDLAND COUNTIES	SE^ly to S^ly winds, light; fine, warm.
5 ENGLAND SOUTH	
6 SCOTLAND WEST	S^ly and SE^ly winds, light; cloudy, some rain, possibly thunder.
7 ENGLAND N.W.	
8 ENGLAND S.W.	SW^ly winds, moderate; cloudy, some rain, thunder locally.
9 IRELAND NORTH	Same as No^s. 6 and 7.
10 IRELAND SOUTH	Same as No. 8.
WARNINGS	None issued.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·21	64	58	NNW	4	b	1
Sumburgh Head	30·13	56	56	ESE	4	m	4
Stornoway... ...	29·87	74	64	SSW	3	b	3
Aberdeen	30·08	57	56	SSE	4	cfgq	3
Shields	30·10	67	65	SE	3	bm	2
Malin Head ...	29·77	78	67	SSE	5	b	3
Belmullet	29·80	70	65	SSW	2	o	*
Holyhead	29·98	73	69	SW	3	b	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29·78	70	67	SSE	5	og	5
Scilly	29·97	71	68	SSE	2	c	0
Jersey	30·06	82	65	ESE	2	b	2
Portland Bill ...	30·07	70	67	ESE	4	b	3
Dungeness ...	30·12	73	69	ENE	3	bc	3
London (Westminster)	30·09	81	70	E	3	b	*
Yarmouth ...	30·18	63	61	ESE	4	c	3
Rochefort ...	30·03	86	74	SE	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine and bright over the greater part of our Islands and the Continent, but foggy on the N. and E. coasts of Scotland, and cloudy or dull over the S^rn. parts of Ireland. Dull also in several parts of Russia and E^rn. Germany, with rain at Kuopio and Nicolaieff. Heavy rain falling later in the W. of Ireland, and slight quantities in the SW. of England.

Temperature risen a little over Gt. Britain, Germany and Austria, but fallen in most other countries. Morning readings highest 81° at Barcelona, 79° at Bilbao, and 78° at San Fernando; above 70° in many parts of S^rn. Europe, as well as at Jersey, and very little below it in Ireland and the S. of England. Lowest 44° at Haparanda, and 45° at Bodö, Archangel and Kuopio. Rising during day to 85° or slightly above it in several parts of Gt. Britain and France; reaching 88° in London, 90° at Rochefort, and 91° at Lorient.

Wind SE^ly. or S^ly. over the United Kingdom generally, and fresh or strong in force on the Irish coasts; light from the E^rn. over the English Channel, France and Belgium; variable over the Spanish Peninsula. N^ly. or NW^ly. over northern and central Europe generally, as well as in Greece and Italy; calm or variable in the S. of Russia. No important change occurring over western Europe later.

Barometer highest 30.1 ins. to 30.3 ins. in an anticyclone embracing a considerable portion of W^rn., central and S^rn. Europe: Lowest 29.7 ins. and less in a depression over the Black Sea; 29.8 ins. and less in two other systems, one lying over N^rn. Russia, and the other off the W. of Ireland. Irish depression subsequently moving slowly N^wds.; barometer falling in most parts of W^rn. Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 26th August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA	Haparanda	30.45	41	Z	0	b	30.46	+.10	43	39	-2	N	2	bc	•	b	•	52	37	-
	Hernösand	30.43	46	N	6	c	30.41	+.07	48	44	0	N	4	b	•	b	•	57	41	-
	Stockholm	30.29	50	N	6	c	30.25	+.04	50	46	-1	N	6	c	•	c	•	54	43	-
	Wisby	30.23	51	N	10	0	30.20	-.02	51	47	-2	NNE	8	c	•	c	•	55	45	-
	Karlstad	30.35	53	ENE	2	b	30.39	+.06	48	44	-1	N	2	b	•	b	•	•	•	-
	Bodö	30.38	50	Z	0	b	30.36	-.05	50	45	+3	E	4	b	1	b	•	50	45	-
	Christiansund ...	30.25	55	SE	2	b	30.23	+.03	57	50	+3	SSE	1	b	1	b	•	64	52	-
	Skudesnaes ...	30.23	58	S	2	b	30.26	+.03	57	50	+2	SE	4	b	3	b	•	64	50	•
	Færder (X'iania Fjord)	30.30	61	WSW	1	b	30.37	+.03	55	49	+3	SE	2	b	2	b	•	61	52	-
	The Scaw (Skagen)	30.31	59	E	2	b	30.35	+.06	55	54	-2	ESE	2	b	0	b	•	63	45	-
	Fanö	30.23	61	E	4	b	30.26	+.06	55	52	-1	ENE	4	b	•	b	•	77	52	-
BRITISH ISLANDS	Sumburgh Head ...	29.99	56	ESE	3	m	29.95	-.08	56	56	+2	SW	1	o	10	m	•	57	53	—
	Stornoway	29.77	65	SSW	4	r	29.95	+.10	61	58	-4	SW	4	bc	4	o, tl p	5.7	73	56	0.35
	Wick	29.87	57	S	6	f	30.02	+.06	61	60	+3	W	2	bc	2	q.f.tl	•	62	55	0.03
	Nairn	29.77	72	E	1	c	30.02	+.12	64	59	-10	W	1	b	0	c.tlr	•	85	54	0.10
	Aberdeen	29.93	59	S	3	c	30.05	+.09	65	60	+9	SW	1	bw	2	o.c	0.0	65	51	0.01
	Leith	29.82	71	WSW	1	o	30.07	+.11	66	65	+5	WSW	1	bc	•	o	•	81	57	0.02
	Shields	29.92	62	SSE	4	cm	30.10	+.09	60	59	+1	W	2	cm	2	c	•	66	55	-
	Spurn Head ...	29.93	65	ESE	6	c	30.09	+.04	64	60	0	NW	3	b	3	c	•	67	60	-
	Loughborough ...	29.94	79	SW	4	bc	30.14	+.13	61	58	-3	WNW	1	bw	•	bcq.bm	•	89	51	-
	Malin Head ...	29.72	59	WSW	7	o	29.98	+.17	60	58	-3	SSW	5	bc	3	bc.qt.o	•	73	56	0.04
	Belmullet	29.87	64	WSW	4	bc	29.96	+.22	64	61	0	SSE	3	bc	•	r.bc	•	69	55	0.36
	Donaghadee ...	29.85	65	WSW	4	c	30.06	+.18	59	58	-1	S	2	c	2	c	•	68	53	0.11
	Liverpool (Bidston) ...	29.95	68	SW	4	c	30.10	+.18	67	62	+1	SE	1	b	1	c	•	82	58	-
	Holyhead	29.98	64	SW	3	bc	30.09	+.12	64	62	-3	S	2	bcm	1	bcp.bc	•	69	56	0.03
	Parsonstown ...	29.95	66	W	2	o	30.04	+.27	62	60	-3	SE	1	b	•	T.c	4.3	68	54	0.18
	Valencia	29.98	68	SW	2	bc	29.94	+.15	66	62	+5	SSE	4	c	5	cv.bc	6.5	69	59	0.07
	Roche's Point ...	30.01	68	WSW	4	b	30.04	+.25	67	63	+2	SSW	4	o	4	b	•	71	60	-
	Pembroke (St. Ann's Hd.)	30.03	63	SW	4	o	30.11	+.21	61	60	-3	ESE	2	bcf	1	c.o	3.1	66	62	-
	Scilly	30.07	69	W	2	o	30.08	+.17	66	63	-2	SE	2	bc	1	c.o	6.7	73	61	-
	Jersey (St. Aubin's) ...	30.09	74	WNW	3	bcm	30.14	+.14	69	64	-2	NE	2	bw	2	b.bcm	•	74	60	-
	Portland Bill ...	30.06	65	WSW	5	c	30.13	+.15	65	62	-3	E	1	b	2	bc.c	•	71	56	-
	Dungeness	30.02	71	WSW	4	c	30.11	+.06	69	64	-1	NNW	2	b	1	b.c	•	78	57	-
	London (Brixton) ...	30.01	73	SW	3	bc	30.12	+.09	63	59	-5	SW	2	b	•	b.bcbw	10.8	90	56	-
	Oxford	30.05	67	WSW	2	c	30.13	+.13	65	61	-6	W	1	b	•	c	•	85	54	-
	Yarmouth	30.01	67	SE	3	b	30.07	-.01	67	62	+2	WNW	2	bw	2	b	•	68	59	-
GERMANY	Cuxhaven	30.16	61	N	1	b	30.18	+.01	56	51	-1	SE	3	b	•	b	•	63	50	-
	Berlin	30.16	62	NNE	4	b	30.24	+.07	55	50	-5	NNE	2	b	•	b	•	73	50	-
	Wiesbaden	•	•	•	•	•	30.13	-.03	61	57	+1	S	2	b	•	•	•	77	52	-
	Munich	30.19	64	Z	0	b	30.21	.00	60	58	+2	NW	3	b	•	b	•	75	52	-
FRANCE & NETHERLANDS	The Helder ...	30.08	65	E	1	b	30.05		66	62		SE	1	b	1	b	•	70	63	-
	Brussels	•	•	•	•	•	30.11	-.01	66	62	-2	SW	2	c	•	b	•	85	59	.
	C. Gris Nez ...	30.06	70	W	3	bc	30.12	+.06	65	62	-1	N	1	b	1	bc	•	88	61	-
	Paris	30.05	81	SE	1	b	30.12	+.03	64	60	+2	NNE	1	b	•	b	•	90	60	-
	Brest	30.16	69	WNW	1	c	30.17	+.19	60	56	-5	E	1	b	5	c	•	75	54	-
	Lorient	30.09	71	NW	5	o	30.12	+.10	62	61	-6	NE	2	bc	5	o	•	91	61	-
	Rochefort	30.06	72	WNW	3	b	30.07	+.05	69	66	-2	NE	2	bc	•	b	•	84	66	-
	Belfort	30.09	78	Z	0	b	30.16	+.04	61	57	+2	Z	0	m	•	b	•	84	53	-
	Lyons	30.07	80	SE	1	b	30.11	+.01	66	62	+4	N	1	b	•	b	•	69	59	-
	Nice	30.07	71	SW	2	b	30.05	-.05	71	67	+2	E	2	b	2	b	•	81	64	-
	Perpignan	30.09	77	E	1	b	30.10	.00	67	65	-2	Z	0	b	•	b	•	82	61	-
	Biarritz	30.06	77	W	3	c	30.04	+.05	72	66	-3	ESE	2	bc	2	c	•	77	70	-
SPAN. PEN.	Corunna																•			
	Lisbon	30.04	75	N	5	b	30.07	+.04	75	67	+1	NNE	2	b	•	b	•	90	70	-
	Azores (P. Delgada)	30.14	74	SW	1	o	30.15	+.05	75	73	+2	SW	4	c	3	o	•	82	72	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 6.3 *hrs.*

WEATHER CHARTS

FOR Saturday, 26th August, 1899.

BAROMETER, WIND AND SEA.

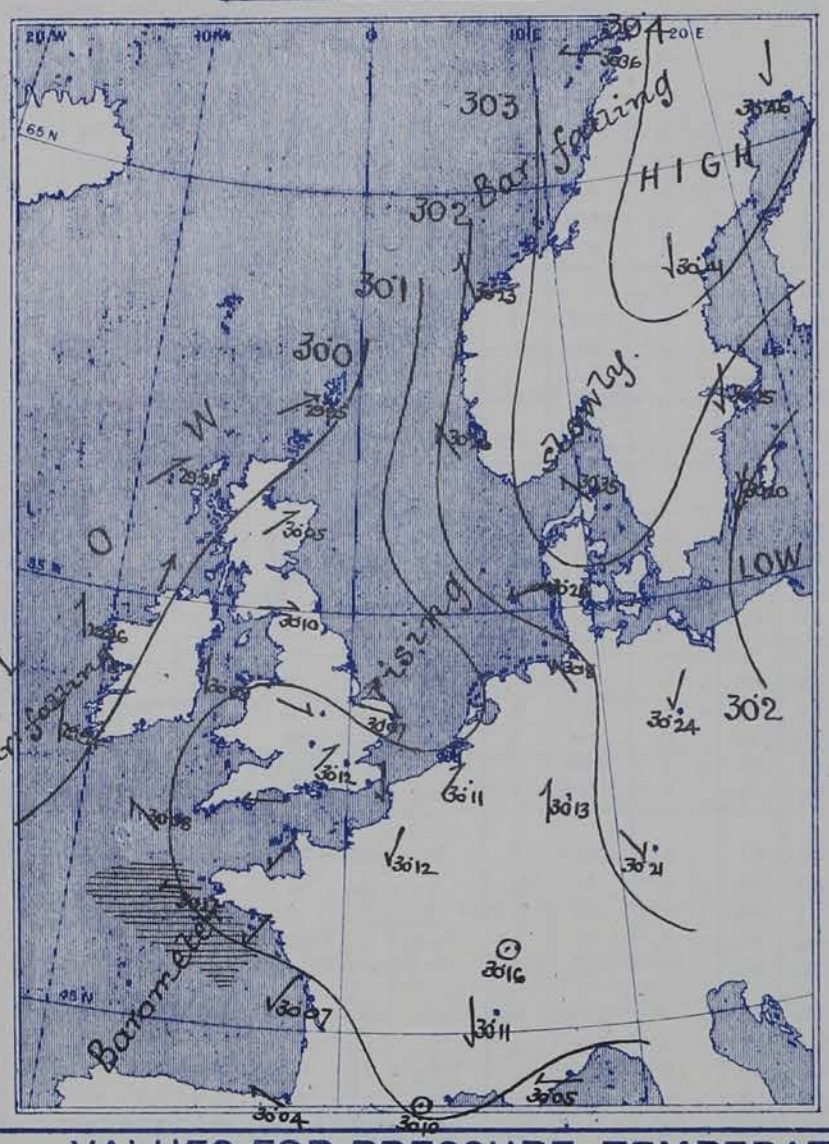
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ➛ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ➛ : *Force 1 to 4* ⟶ :

SEA.—Rough : *High*

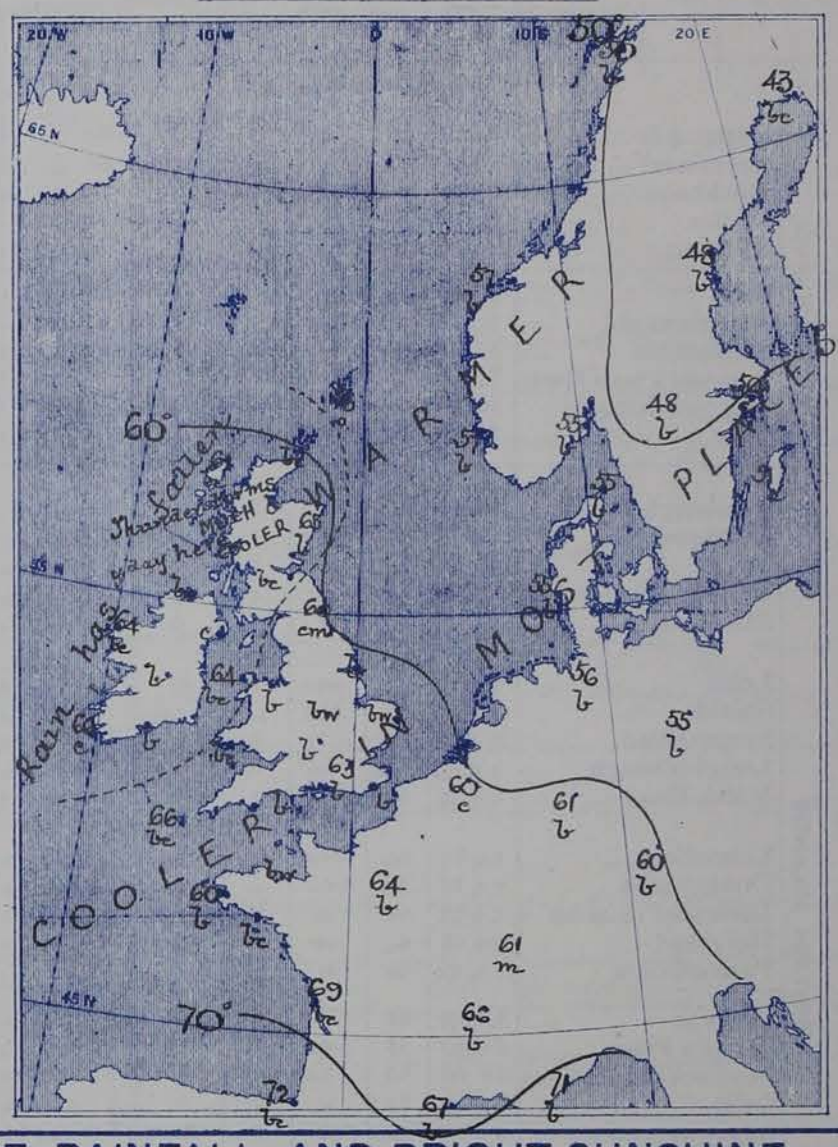


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.— { *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6*



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR, 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 · 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 · 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 . 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 830	56 · 1	53 · 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 · 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 · 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 in: and upwards over the northern parts of Sweden; 30·1 in: and upwards in an anticyclone covering the whole of Scandinavia, Denmark, and Germany, and the greater part of England and France.
Lowest, 30·0 in: and less, in the western parts of Ireland and Scotland.
Gradients slight. Barometer rising in most places, but falling in the south of Ireland and also over the northern parts of Scandinavia.

TEMPERATURE

Highest, 75° at Lisbon, 72° at Biarritz, 71° at Nice, and 69° at Jersey, Dungeness, and Rochefort.
Lowest, 43° at Haparanda, 48° at Hernösand and Karlstad, and 50° at Åbo and Stockholm; lowest in our Islands 56° at Dumbarg Head.
During yesterday the thermometer rose to between 80° and 85° in several parts of Great Britain, to 89° at Loughborough and to 90° in London.

WIND

Rather variable in the south of England, but light to moderate from the S^W or SE^W on our western coasts, and light from the SW^W or W^W in the north and east.
NE^ly in France; variable in Germany; SE^ly on the eastern shores of the North Sea; N^ly in Sweden, with a gale at Visby.

WEATHER

Fine over Western Europe generally, but foggy or misty over the St George's Channel.
Rain fell yesterday over Ireland and the west and north of Scotland, and a small quantity at Holyhead. Thunderstorms occurred in the north of Scotland and thunder only at Malin Head.

SEA

Slight or smooth generally, but moderate off the north of Scotland and rather rough at Valencia (Ireland) as well as off the northwest of France.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression noticed in the west yesterday has moved away to the northward and another anticyclone has spread over England from the southwestward. The renewed fall of the barometer and backing winds in the west seem to indicate the approach of another depression towards the Irish coasts.

FORECASTS

For the 24 hours ending at NOON on 27th AUGUST, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW^ly to S^ly winds, moderate; fair at first, cloudy later, with rain locally.
1 SCOTLAND EAST	SW^ly to S^ly winds, light; fine, warm.
2 ENGLAND N.E.	
3 ENGLAND EAST	Variable breezes, finally SE^ly; fine, warm.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as No 0.
7 ENGLAND N.W.	S^ly and SE^ly winds, light or moderate; fine at first, cloudy later, with local thundershowers.
8 ENGLAND S.W.	
9 IRELAND NORTH	S^ly winds, freshening; fair at first, some rain later, possibly thunder.
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30.26	64	57	ESE	4	b	1
Sumburgh Head	30.03	56	56	ESE	3	m	5
Stornoway... ...	29.82	73	65	2	0	0	0
Aberdeen	29.97	58	58	SSE	2	udf	3
Shields	29.96	65	63	ESE	3	bm	3
Malin Head ...	29.70	71	64	SE	5	be	3
Belmullet	29.80	60	58	W	4	r	*
Holyhead	29.90	69	64	SW	4	bcp	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29.93	67	63	WSW	5	cv	5
Scilly	30.03	71	65	W	3	c	2
Jersey	30.07	73	68	W	3	b	3
Portland Bill ...	30.04	70	67	WSW	4	bc	3
Dungeness ...	30.03	77	71	SSE	2	b	1
London (Westminster)	29.99	86	70	SE	4	bc	*
Yarmouth ...	30.06	68	64	SE	4	b	3 *
Rochefort ...	30.06	80	64	NW	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 27th August **1899.**

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	30·33	40	N	2	b	30·22	−·24	45	41	+ 2	NNE	2	b	*	b	*	52	32	—
	Hernösand	30·29	45	N	2	b	30·21	−·20	47	42	− 1	NW	6	b	*	b	*	61	36	—
	Stockholm	30·15	48	N	6	b	30·05	−·20	52	46	+ 2	N	8	b	*	b	*	55	45	—
	Wisby	30·11	49	N	8	b	30·02	−·18	48	45	− 3	N	6	c	*	b	*	52	45	—
	Karlstad	30·25	52	NNE	2	b	30·18	−·21	49	45	+ 1	N	2	b	*	b	*	*	*	—
	Bodö	30·28	50	2	0	b	30·21	−·15	51	46	+ 1	E	2	b	1	b	*	63	45	—
	Christiansund ...	30·23	57	ESE	2	b	30·21	−·02	54	51	− 3	W	2	b	2	b	*	61	48	—
	Skudesnaes ...	30·23	56	SSE	2	b	30·19	−·07	58	53	+ 1	E	2	b	1	b	*	61	50	*
	Færder (X'iania Fjord)	30·23	59	W	2	c	30·19	−·18	57	52	+ 2	W	1	b	1	c	*	59	54	—
	The Scaw (Skagen)	30·24	56	NNE	1	b	30·21	−·14	56	49	+ 1	SSE	1	b	0	b	*	59	54	—
	Fanö	30·19	58	E	4	b	30·13	−·13	54	50	− 1	E	5	b	*	b	*	75	50	—
BRITISH ISLANDS	Sumburgh Head ...	30·08	58	SE	1	b	29·92	−·03	58	56	+ 2	ESE	4	c	5	b	*	63	53	—
	Stornoway	29·93	66	SE	2	o	29·65	−·30	61	58	0	SE	4	o	3	c.o	10·1	67	56	0·03
	Wick	30·02	60	S	3	bc	29·80	−·22	58	56	− 3	S	4	o	4	bc	*	70	53	—
	Nairn	29·94	70	ESE	2	bc	29·74	−·28	63	58	− 1	SE	1	b	1	bc	*	74	52	—
	Aberdeen	30·03	58	ESE	2	bc	29·83	−·22	58	59	− 7	SE	3	og	3	b, bc, f	11·2	69	52	—
	Leith	29·98	66	E	2	b	29·76	−·31	62	59	− 4	ESE	1	c	*	b	*	72	55	—
	Shields	30·03	60	E	3	bc	29·84	−·26	56	56	− 4	SE	1	o	2	bc	*	68	52	—
	Spurn Head ...	30·03	61	NE	3	c	29·85	−·24	61	61	− 3	SE	5	o	4	c. f	*	69	56	—
	Loughborough ...	29·99	78	SE	1	bc	29·82	−·32	64	61	+ 3	SE	1	cmw	*	bc, cm	*	82	55	—
	Malin Head ...	29·81	69	SE	5	c	29·55	−·43	62	59	+ 2	SSW	5	op	3	bc, c	*	72	59	0·04
	Belmullet	29·73	61	SSE	5	r	29·55	−·41	63	60	− 1	SW	6	bc	*	bc, r	*	68	60	0·09
	Donaghadee ...	29·95	62	S	4	bc	29·74	−·32	61	61	+ 2	S	3	org	4	f, bc	*	68	53	0·12
	Liverpool (Bidston) ...	29·94	74	ESE	2	b	29·79	−·31	64	56	− 3	ESE	1	r	?	cm, b	*	77	57	0·03
	Holyhead	29·96	64	N	1	c	29·76	−·33	61	60	− 3	S	3	rgm	2	c	*	70	57	0·09
	Parsonstown ...	29·83	65	SE	1	r	29·73	−·31	63	59	+ 1	SW	2	c	*	c, r	6·5	71	58	0·19
	Valencia	29·67	63	SSE	6	r	29·71	−·23	62	57	− 4	WSW	4	c	6	r, rm	3·1	69	59	0·50
	Roche's Point ...	29·80	65	S	5	r	29·74	−·30	64	60	− 3	W	4	b	4	p	*	69	60	0·68
	Pembroke (St. Ann's Hd.)	29·93	61	SSE	2	b	29·79	−·32	63	63	+ 2	SW	2	bcp	4	b	11·0	68	58	0·28
	Scilly	29·94	64	SSE	4	bc	29·80	−·28	66	64	0	SW	4	cp	3	bc	12·2	71	61	0·37
	Jersey (St. Aubin's) ...	29·97	74	NNW	2	c	29·89	−·25	70	66	+ 1	SW	3	bcm	3	bc, c	*	80	62	—
	Portland Bill ...	30·02	65	SE	1	b	29·86	−·27	65	63	0	W	3	c	3	c, b	*	71	57	—
	Dungeness	30·02	69	E	2	bc	29·82	−·29	72	69	+ 3	ESE	2	b	2	b, bc	*	74	66	—
	London (Brixton) ...	29·98	72	2	0	bc	29·85	−·27	71	65	+ 8	SE	1	b	*	bm, c	8·0	81	61	—
	Oxford	29·96	71	SSE	2	b	29·82	−·31	64	60	− 1	2	0	bc	*	b	*	79	56	—
	Yarmouth	30·02	65	NNE	2	b	29·89	−·18	62	61	− 5	ESE	3	c	3	b	*	70	59	—
GERMANY.	Cuxhaven	30·13	63	E	3	b	30·08	−·10	56	51	0	ESE	3	b	*	b	*	66	54	—
	Berlin	30·13	60	NW	1	b	30·11	−·13	55	50	0	SE	2	b	*	b	*	66	50	—
	Wiesbaden	*	*	*	*	*	30·04	−·09	65	60	+ 4	NE	3	b	*	*	*	81	59	—
	Munich	30·12	68	2	0	b	30·10	−·11	59	58	− 1	S	2	bc	*	b	*	77	55	0·08
FRANCE & NETHERLANDS.	The Helder ...	30·00	65	WSW	1	b	29·94	−·11	62	58	− 4	ESE	1	b	1	b	*	75	59	—
	Brussels	*	*	*	*	*	29·91	−·20	70	64	+ 4	ESE	1	o	*	b	*	83	60	—
	C. Gris Nez ...	30·04	72	SE	1	bc	29·86	−·26	69	64	+ 4	SE	1	m	0	bc	*	88	64	—
	Paris	30·00	83	WSW	2	b	29·93	−·19	66	60	+ 2	SSE	2	b	*	b	*	91	63	—
	Brest	29·98	70	NW	1	b	29·88	−·29	65	64	+ 5	SW	1	r	1	b	*	73	55	—
	Lorient	29·97	69	W	3	bc	29·95	−·17	66	66	+ 4	SE	1	c	2	bc	*	84	62	—
	Rochefort	30·10	74	NW	3	b	29·98	−·09	70	67	+ 1	N	1	o	*	b	*	91	66	
	Belfort	30·00	77	2	0	c	29·99	−·17	63	56	+ 2	2	0	m	*	c	*	85	56	—
	Lyons	30·03	78	N	1	b	30·02	−·09	66	56	0	SW	1	b	*	b	*	87	59	—
	Nice	30·04	71	S	2	o	30·03	−·02	70	68	− 1	2	0	bc	1	o	*	82	68	—
	Perpignan	29·99	80	2	0	b	30·01	−·09	69	68	+ 2	E	1	b	*	b	*	88	61	—
	Biarritz	29·96	80	ENE	3	b	29·97	−·07	74	72	+ 2	W	2	o	2	b	*	88	72	—
SPAIN & PORTUGAL	Corunna																*			
	Lisbon	30·06	72	NNE	5	b	30·08	+·01	71	64	− 4	WSW	4	b	*	b	*	75	66	—
	Azores (P. Delgada)	30·26	74	NE	3	b	30·23	+·08	76	72	+ 1	2	0	b	2	b	*	81	70	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 9·9 hrs.

WEATHER CHARTS

FOR Sunday, 27th August, 1899.

BAROMETER, WIND AND SEA.

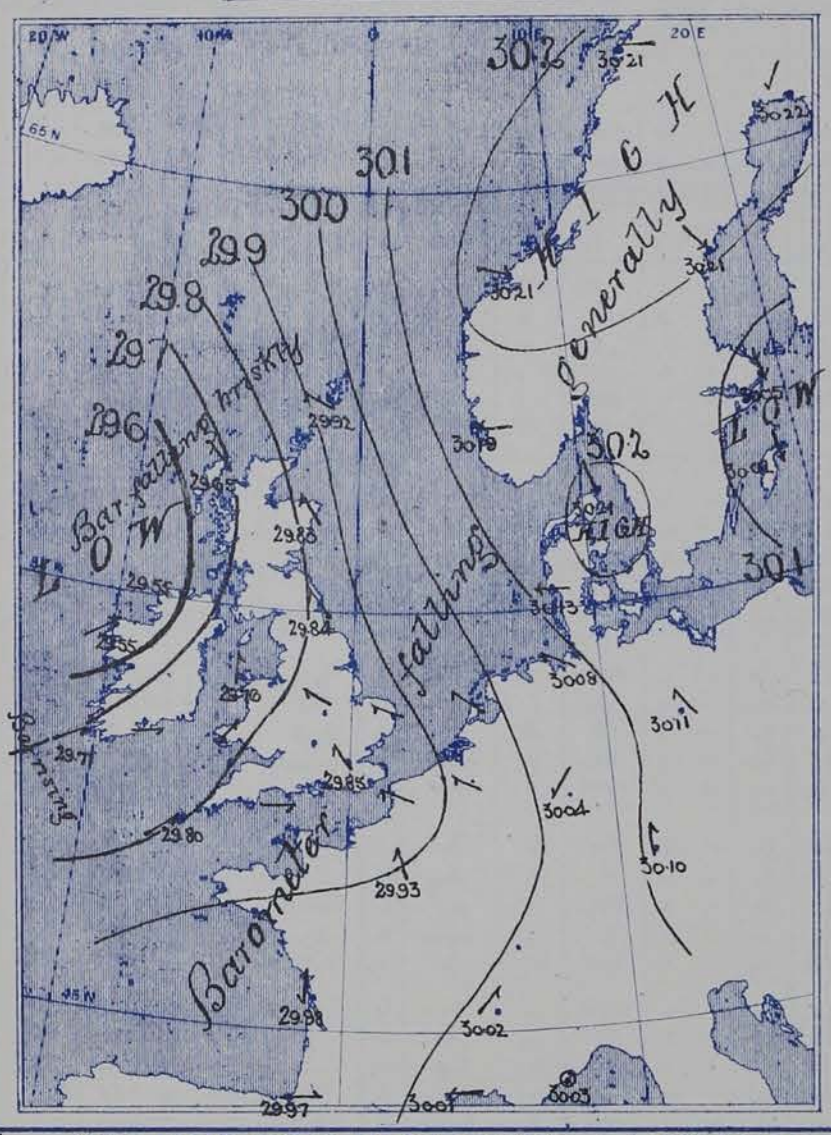
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ➤➤ : *Force 5 to 7* ➤ : } Calm ⊙

Force 8 to 10 ➤ : *Force 1 to 4* ➤ : }

SEA.—Rough : *High*

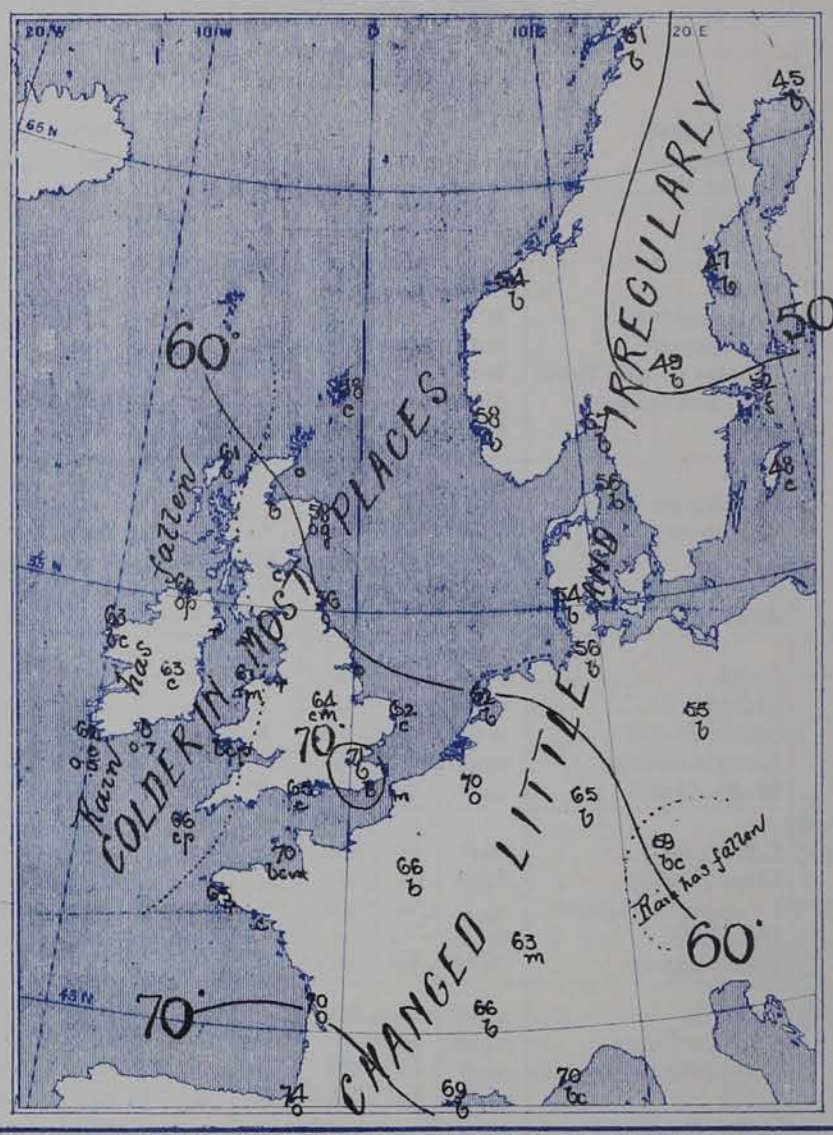


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—{ A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29·923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and upwards over the northern and central parts of Scandinavia; 30·1 in: and upwards in an anticyclone covering the whole of Scandinavia, Denmark and E^rn Germany.
Lowest, 29·6 in: and less in a well marked depression lying off our extreme northwest coast.
Gradients moderate over Scotland and the north of Ireland, but slight elsewhere.
Barometer falling in most places, but rising at Valencia (Ireland) and also in the south of France.

TEMPERATURE

Highest, 74° at Biarritz, 72° at Dungeness, 71° in London and at Lisbon, and 70° at Jersey, Brussels and Nice.
Lowest, 45° at Haparanda, 47° at Hernösand, 48° at Visby and 49° at Harkstad; lowest in our Islands 56° at Shields.
During yesterday the thermometer rose to 80° or slightly above it at several of the English stations; on many parts of our western, northern, and eastern coasts it failed to reach 70°.

WIND

SW in the west of our Islands, fresh or strong in force in the north of Ireland; SE over all the northern and eastern parts of Great Britain and also over the eastern and southern shores of the North Sea.
Light and variable in France, N in Sweden, with a gale at Stockholm.

WEATHER

Cloudy or dull in all the more western and northern parts of our islands, with rain or passing showers at many of our western stations.
Fine and bright in the southeast of England, and also at most of the Continental stations, but dull in the west of France.
Since yesterday morning rain has fallen in the west of our Islands generally, the largest amounts being 0·7 in: at Rochdale and 0·5 in: at Valencia.

SEA

Rough at Valencia and rather rough at Scarborough Hd, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 28th AUG: 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED.	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 7·15 pm yesterday to districts 6, 9, and 10 and at 9·40 am today to district 0 and 1 Hoist "South Cone."

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·27	61	55	S	6	b	4
Sumburgh Head	30·08	62	59	SW	2	b	4
Stornoway... ...	29·99	64	60	S	4	c	4
Aberdeen	30·08	67	60	SE	3	b	3
Shields	30·09	65	63	? E	3	bc	2
Malin Head ...	29·91	70	64	SSE	5	bc	3
Belmullet	29·88	68	62	SSE	4	o	*
Holyhead	30·04	70	63	SW	2	c	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29·81	65	61	SSE	6	r	6
Scilly	30·02	69	65	SSE	3	bc	1
Jersey	30·07	77	68	ESE	2	bc	2
Portland Bill ...	30·09	69	66	SE	2	c	1
Dungeness ...	30·07	72	68	S	2	b	1
London (Westminster)	30·05	78	61	2	0	bm	*
Yarmouth ...	30·07	70	65	NNE	4	b	*
Rochefort ...	30·06	88	76	SW	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over our Islands and the Continent generally, but cloudy or dull in many parts of Russia Austria and Eastern Germany, with rain at St Petersburg and Hermanstadt. Rain falling later in the west of our Islands generally, rather heavily in the south of Ireland.

Temperature fallen in most countries, but risen in Norway and also in Greece and Italy. Morning readings highest 81° at Barcelona, 80° at Sanguinaire, and 77° at Patras and La Calle, above 70° over southern Europe generally, and above 65° in many parts of the United Kingdom. Lowest 43° at Bodö and Hango, 44° at Kuopio and 45° at Archangel, Uleaborg, Helsingfors and St Petersburg. Rising during day to 80° or slightly above it at several of the English stations, but remaining below 70° on many parts of our western northern and eastern coasts. Exceeding 85° in France, and reaching 91° at Paris and Rochefort.

Wind rather variable in the south of England, but light or moderate from the S^ly or SE^ly on our western coasts, and light from the SW^ly or W^ly in the northern and eastern parts of Great Britain. N^ly or NE^ly in France and Spain, variable in Italy. SE^ly on the eastern shores of the North Sea; N^ly over Sweden, western Russia, eastern Germany and Austria, with a gale over Finland and the Baltic. Subsequently shifting to the NW^ly at many of the French stations; blowing strongly from the SE^ly in the west and south of Ireland at night.

Barometer highest 30·4 in: and upwards over the northern parts of Sweden, 30·1 in: and upwards in an anticyclone of somewhat irregular form covering a considerable portion of northern, western, and southern Europe. Lowest 29·2 in: and less in a rather deep depression with its centre near Moscow. New disturbance advancing later towards the west of Ireland, and barometer falling rather decidedly on our western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Monday, 28th August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	30·15	42	N	0	b	30·10	-·12	46	42	+1	N	0	b	*	b	*	57	34	-
	Hernösand	30·15	46	N	0	b	30·12	-·09	49	45	+2	N	2	b	*	b	*	64	37	-
	Stockholm	30·03	47	N	4	b	30·07	+·02	48	45	-4	NNE	4	b	*	b	*	57	43	-
	Wisby	30·02	46	NE	4	c	30·02	·00	49	46	+1	NNE	4	c	*	c	*	52	43	0·20
	Karlstad	30·07	55	NE	2	b	30·10	-·08	48	44	-1	NE	2	b	*	b	*	*	*	-
	Bodö	30·15	50	N	0	b	30·13	-·09	51	49	0	ESE	1	b	1	b	*	63	45	-
	Christiansund ...	30·06	57	NE	3	b	29·99	-·22	58	53	+4	S	1	b	1	b	*	61	46	-
	Skudesnaes ...	30·16	57	S	2	b	30·00	-·19	57	54	-1	ENE	4	b	8	b	*	63	52	-
	Færder (X'iania Fjord)	30·06	60	WSW	2	b	30·07	-·12	56	53	-1	ENE	2	b	1	b	*	66	55	-
	The Scaw (Skagen)	30·07	57	NW	1	b	30·05	-·16	58	51	+2	SSE	2	b	0	b	*	65	54	-
	Fanö	30·03	56	E	4	b	29·94	-·19	54	52	0	E	4	b	*	b	*	73	50	-
BRITISH ISLANDS	Sumburgh Head ...	29·83	56	S	4	o	29·80	-·12	55	55	-3	ESE	4	o	6	o	*	60	52	0·05
	Stornoway	29·60	62	SSW	4	p	29·69	+·04	58	57	-3	SSE	4	b	4	rq	0·3	65	55	0·05
	Wick	29·76	57	S	4	m	29·76	-·04	57	55	-1	S	2	f	3	m	*	65	54	0·09
	Nairn	29·68	64	N	0	bc	29·74	·00	58	56	-5	N	0	b	1	bc	*	70	48	0·10
	Aberdeen	29·77	56	SSE	4	ogqm	29·74	-·09	56	56	-2	SE	1	odf	3	ogqm	0·0	60	55	0·11
	Leith	29·71	66	SE	1	bc	29·72	-·04	60	58	-2	N	0	c	*	bc	*	67	51	0·03
	Shields	29·77	59	SSE	2	o	29·74	-·10	56	56	0	SW	2	c	2	r.f	*	60	53	0·43
	Spurn Head ...	29·77	62	NNE	2	c	29·77	-·08	62	59	+1	WNW	3	bm	3	c.f.p	*	67	58	0·01
	Loughborough ...	29·78	61	NW	1	c	29·80	-·02	62	57	-2	SW	2	b	*	c.bc.c	*	77	54	-
	Malin Head ...	29·64	60	SSW	2	bc	29·67	+·12	58	55	-4	S	3	b	3	o.p.bc	*	69	53	0·03
	Belmullet	29·73	61	WSW	4	bc	29·70	+·15	61	57	-2	WSW	3	b	*	bc	*	64	51	0·08
	Donaghadee ...	29·69	67	SW	3	cp	29·72	-·02	62	57	+1	S	3	b	2	c.f.p.l	*	71	50	0·01
	Liverpool (Bidston)	29·76	68	WSW	2	b	29·77	-·02	62	58	-2	SSE	1	b	2	p.b	*	72	54	0·09
	Holyhead	29·76	63	SW	3	b	29·76	·00	61	59	0	S	1	bc	1	b	*	67	55	0·03
	Parsonstown ...	29·74	63	SE	1	bc	29·74	+·01	56	54	-1	SE	1	bc	*	bc	10·6	69	51	-
	Valencia	29·77	64	WSW	4	bcp	29·75	+·04	58	57	-4	SW	1	cp	4	bcp	12·0	67	54	0·24
	Roche's Point ...	29·78	65	WSW	4	b	29·76	+·02	60	57	-4	NW	1	b	2	p.tlr	*	68	54	0·30
	Pembroke (St. Anu's Hd.)	29·81	64	W	4	bc	29·77	-·02	56	55	-1	NW	3	gp	4	bc	9·8	66	55	0·50
	Scilly	29·85	65	WSW	2	c	29·80	·00	61	58	-5	W	4	cp	8	c.tl	8·4	70	57	0·20
	Jersey (St. Aubin's) ...	29·91	65	W	3	op	29·91	+·02	65	60	-5	SW	3	bcm	3	o.op	*	72	61	0·01
	Portland Bill ...	29·87	64	WSW	5	o	29·87	+·01	64	62	-1	SW	4	bc	3	o	*	70	57	0·18
	Dungeness	29·83	68	SW	4	c	29·83	+·01	68	65	-4	W	3	c	3	b.c	*	73	62	0·06
	London (Brixton) ...	29·80	76	W	4	*	29·83	-·02	64	60	-7	SW	1	bc	*	b.bc.cp	7·9	85	58	-
	Oxford	29·82	66	SW	3	c	29·82	·00	64	60	0	S	1	b	*	c.p	*	78	57	0·02
	Yarmouth	29·77	68	SSE	3	bc	29·78	-·11	62	60	0	W	1	opm	2	bc	*	69	60	0·01
GERMANY	Cuxhaven	29·95	63	E	4	b	29·88	-·20	55	49	-1	ESE	4	b	*	b	*	66	50	-
	Berlin	30·00	62	N	0	b	29·98	-·13	57	48	-4	SE	2	b	*	b	*	68	48	-
	Wiesbaden	*	*	*	*	*	29·88	-·16	68	65	+3	W	2	bc	*	*	*	79	63	0·04
	Munich	30·05	66	W	4	r	30·02	-·08	67	63	+8	SW	5	b	*	r	*	77	59	0·04
FRANCE & NETHERLANDS.	The Helder ...	29·79	73	ESE	1	c	29·78	-·16	65	64	+3	WNW	1	r	0	c	*	75	57	0·04
	Brussels	*	*	*	*	*									*		*			
	C. Gris Nez ...	29·86	67	SW	2	bc	29·86	-·00	64	62	-5	W	4	c	4	bc	*	77	59	-
	Paris	29·88	80	S	2	b	29·93	-·05	64	63	-2	W	2	o	*	b	*	89	63	0·04
	Brest	29·93	66	SW	1	c	29·92	+·04	64	61	-1	SW	2	bc	3	c	*	72	59	0·20
	Lorient	29·94	67	W	4	c	29·97	+·02	66	63	0	WSW	4	bc	5	c	*	84	63	0·04
	Rochefort	29·97	73	WNW	2	b	30·01	+·03	68	64	-2	W	2	o	*	b	*	84	66	-
	Belfort	29·86	82	W	3	b	?	?	68	61	+5	?	3	o	*	b	*	92	61	-
	Lyons	29·92	82	S	1	b	30·04	+·02	67	65	+1	NNW	1	tlr	*	b	*	91	64	0·08
	Nice	30·03	72	SW	2	c	30·06	+·03	70	68	0	N	0	c	0	c	*	79	68	-
	Perpignan	29·98	70	N	0	o	30·02	+·01	72	68	+3	SW	1	b	*	o	*	84	65	-
	Biarritz	29·97	74	N	0	o	29·99	+·02	69	68	-5	W	3	o	4	o.tlr	*	79	64	0·28
SPAN. PEN.	Corunna																*			
	Lisbon	30·10	71	N	4	b	30·12	+·04	69	61	-2	NNE	4	b	*	b	*	82	64	-
	Azores (P. Delgada)	30·25	72	NNE	4	bc	30·23	·00	71	67	-5	NE	3	bc	3	bc	*	82	68	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 5·4 *hrs.*

WEATHER CHARTS

FOR Monday, 28th August, 1899.

BAROMETER, WIND AND SEA.

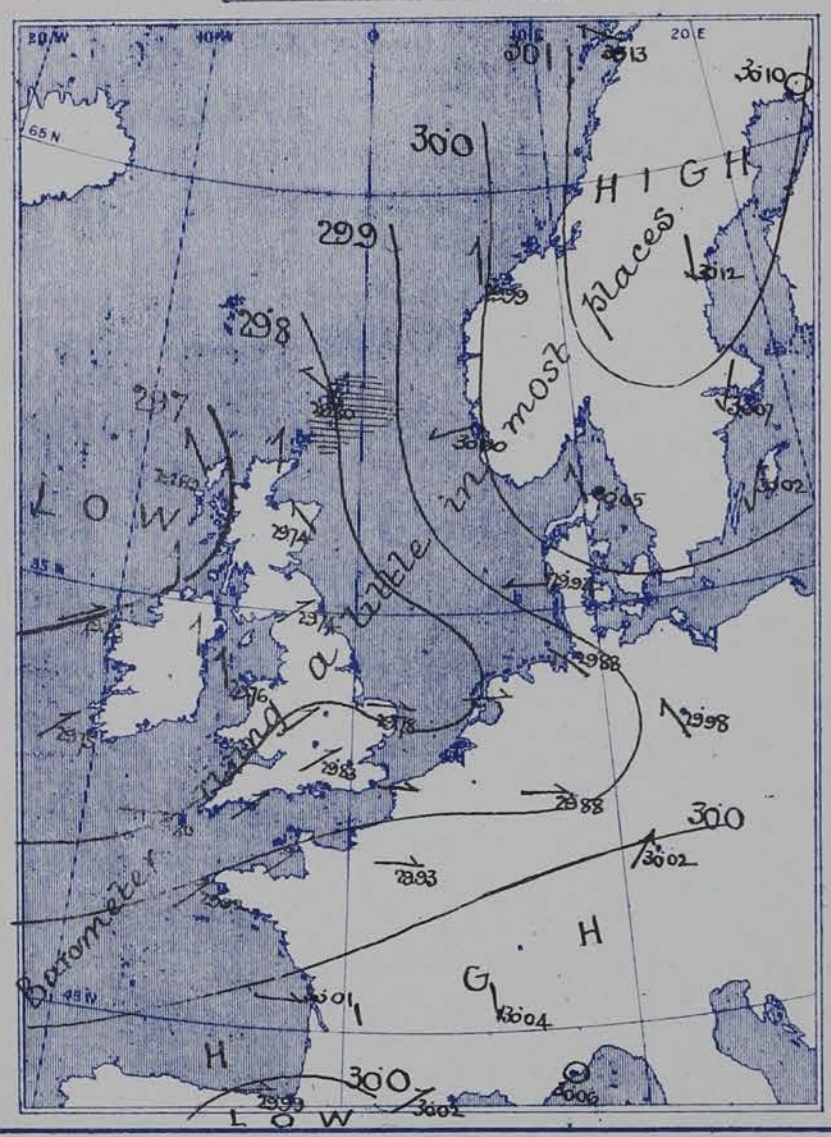
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 : *Force 5 to 7* : } Calm ⊙

Force 8 to 10 : *Force 1 to 4* :

SEA.—Rough : *High*

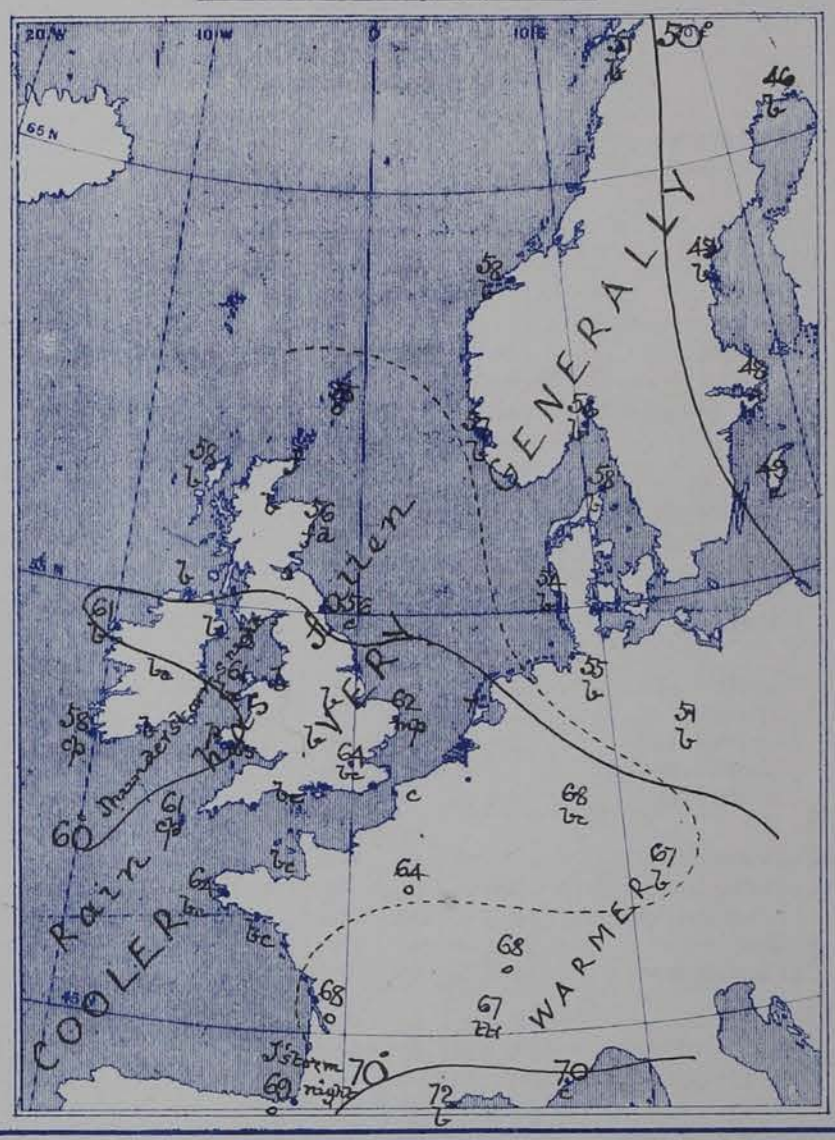


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29.923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 ins. and upwards in an anticyclone lying over the northern parts of Scandinavia; 30·0 ins. and upwards in another system over the southern parts of France and Germany.

Lowest, 29·7 ins. and less. in a shallow depression lying off our own extreme northwest coasts.

Gradients slight. Barometer rather unsteady, but inclined to rise in most places.

TEMPERATURE

Highest, 72° at Perpignan, 70° at Nice, 69° at Biarritz, 68° at Dungeness, Wiesbaden, Belfort and Rochefort.
Lowest, 46° to 49° at the Swedish stations, and 51° at Bodö and Berlin; lowest in our Islands 55° at Lerwick Head.
During yesterday the thermometer rose to 75° and upwards over the more central parts of England generally and to 85° in London. On some part of our north and northeast coasts it did not exceed 60°.

WIND

Light to moderate from the W^ds (SW to NW) over the southern parts of our Islands, and also over France, the Netherlands and western & southern Germany.
S or SE over the northern parts of the United Kingdom; E or SE over Norway, Denmark and North Germany; N or NE in London.

WEATHER

Fine over Western Europe as a whole, but foggy off the northeast of Scotland, and showery on our southwest coasts, as well as at Yarmouth and the Helder.
Dull at many of the French stations, with a thunderstorm at Lyons.
Since yesterday morning rain has fallen over nearly the whole of our Islands and the neighbouring parts of the Continent; over central and southeastern England, however, the amount has been very slight. Thunder and lightning have occurred at many of our western stations.

SEA

Moderate to smooth generally, but rough at Lerwick Head.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off our northwest coasts appears to be filling up, but small secondary systems are advancing eastwards across Ireland and England, so that showery weather is probable in most districts.

FORECASTS

For the 24 hours ending at NOON on 29TH AUG: 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	SE^ly winds, light or moderate; changeable, some showers, fog locally	6 SCOTLAND WEST 7 ENGLAND N.W.	Same as No. 2.
2 ENGLAND N.E.	Light Variable breezes; changeable, some showers, thunder locally.	8 ENGLAND S.W.	W^ly to SW^ly winds, moderate or fresh; changeable, some showers, thunder locally
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SW^ly and W^ly winds, light; changeable, some showers, thunder locally.	9 IRELAND NORTH 10 IRELAND SOUTH	SW^ly to S^ly winds; fine at first, some rain later.
		WARNINGS	The signals have all been lowered this morning.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30.16	62	59	S	2	b	2
Sumburgh Head							
Stornoway... ...	29.60	64	59	SSW	4	ogr	4
Aberdeen							
Shields							
Malin Head ...	29.61	59	58	SW	5	o	3
Belmullet	29.66	63	58	WSW	5	bc	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia							
Scilly							
Jersey	29.93	70	65	W	3	o	3
Portland Bill ...							
Dungeness ...	29.81	71	68	SW	6	b	5
London (Westminster)							*
Yarmouth ...							*
Rochefort ...	29.99	81	72	WNW	1	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 20TH TO THE 26TH AUG: 1899.

At the commencement of the week the western countries were under the influence of a large anticyclone having its central area directly over our Islands, the winds being everywhere light, and the weather fine and dry. Over Eastern and some parts of Central Europe the conditions were affected by a depression which lay at first over the Baltic Provinces, but which afterwards moved away eastwards, a cyclonic circulation of wind being reported (with very strong N' breezes in Sweden) and rain occurring in some places. On the 21st a complex series of depressions appeared also over various parts of the Mediterranean, and occasioned heavy rain over Central Italy.

The western anticyclone now moved slowly eastward and northeastward and partially dispersed, while the weather over the western and northern parts of the United Kingdom began to be influenced by depressions which moved northwards along the Irish & Scotch coasts. These occasioned freshening S' winds and heavy rain in Ireland, the latter extending in a lesser degree over the western and northern parts of Great Britain and being accompanied in some places by thunder and lightning. Over England the weather remained fine and dry, with a steady rise in temperature, culminating on the 25th, when a reading of 90° was reached in London. In the eastern parts of Europe the conditions were still unsettled, owing to a new depression which appeared over Asia Minor on the 23rd and which afterwards moved steadily in a north-north-easterly direction to Central Russia and increased greatly in depth. On the 25th and 26th N' to NE' gales of considerable strength were experienced over Sweden, the Baltic, and western Russia.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 29th August, **1899.**

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda	29.93	49	2	0	bc	29.88	-.22	53	49	+ 7	N	2	b	•	bc	•	63	32	—
	Hernösand	29.97	46	2	0	b	29.90	-.22	48	46	— 1	2	0	b	•	b	•	63	34	—
	Stockholm	30.01	48	N	2	b	29.93	-.14	52	48	+ 4	2	0	b	•	b	•	57	39	—
	Wisby	30.02	48	N	4	b	29.95	-.07	52	49	+ 3	N	4	c	•	b	•	55	43	—
	Karlstad	30.02	50	S	2	b	29.94	-.16	46	45	— 2	NE	2	b	•	b	•	•	•	—
	Bodö	30.08	52	2	0	b	30.02	-.11	48	47	— 3	2	0	f	0	b	•	57	46	0.34
	Christiansund ...	29.94	57	WSW	1	b	29.89	-.10	57	53	— 1	ENE	1	m	1	b	•	61	46	—
	Skudesnaes ...	29.92	60	2	0	bc	29.90	-.10	57	53	0	ENE	4	b	2	bc	•	66	52	—
	Færder (X'iania Fjord)	29.99	60	WSW	1	b	29.93	-.14	53	50	— 3	E	2	b	2	b	•	63	52	—
	The Scaw (Skagen)	29.98	59	2	0	b	29.89	-.16	57	54	— 1	SE	2	bc	0	b	•	68	55	—
	Fanö	29.84	57	E	5	c	29.78	-.16	55	54	+ 1	NE	1	r	•	c	•	68	54	0.39
BRITISH ISLANDS.	Sumburgh Head ...	29.82	54	ESE	3	0	29.81	+ .01	54	53	— 1	ESE	3	0	5	0	•	56	47	0.19
	Stornoway	29.70	62	SSE	3	b	29.69	.00	55	56	0	S	2	0	2	b	11.6	67	45	—
	Wick	29.73	55	S	2	m	29.76	.00	55	53	— 2	S	1	0	2	m	•	57	52	0.15
	Nairn	29.69	62	2	0	0	29.74	.00	56	55	— 2	2	0	bc	0	0	•	68	42	0.05
	Aberdeen	29.73	56	E	1	of	29.79	+ .05	52	52	— 4	ESE	2	of	3	bc, of	3.0	62	52	0.01
	Leith	29.72	60	SE	1	0	29.75	+ .03	61	56	+ 1	NE	1	bm	•	0	•	66	45	0.11
	Shields	29.75	60	ESE	2	bc	29.82	+ .08	56	54	0	2	0	mp	2	tlp. bc	•	65	50	0.04
	Spurn Head ...	29.75	66	WSW	3	c	29.86	+ .09	62	59	0	W	3	b	3	c	•	74	55	—
	Loughborough ...	29.80	63	WSW	1	c	29.88	+ .08	59	57	— 3	SW	2	cw	•	bc, tlp	•	74	49	0.27
	Malin Head ...	29.71	62	2	0	c	29.60	— .07	55	50	— 3	SSE	5	r	3	c	•	67	55	0.07
	Belmullet	29.74	62	WSW	3	c	29.63	— .07	63	61	+ 2	WSW	3	0	•	bc, c	•	65	58	0.29
	Donaghadee ...	29.75	66	SSW	3	bp	29.72	.00	59	58	— 3	S	3	org	3	p, b	•	70	50	0.18
	Liverpool (Bidston)	29.79	65	W	2	bc	29.82	+ .05	57	55	— 5	ESE	2	r	?	tlr, bc	•	66	52	0.96
	Holyhead	29.80	60	SW	2	bc	29.76	.00	60	59	— 1	S	3	op	2	bc	•	66	56	0.06
	Parsonstown ...	29.78	63	W	1	c	29.69	— .05	61	59	+ 5	E	1	0	•	c, p	7.6	68	55	0.03
	Valencia	29.80	63	SW	2	cw	29.66	— .09	61	60	+ 3	SW	3	rg	4	0, cw	5.8	66	57	0.70
	Roche's Point ...	29.82	65	W	4	bc	29.73	— .03	64	62	+ 4	WSW	4	bcp	4	p, bc	•	69	58	0.24
	Pembroke (St. Ann's Hd.)	29.84	63	W	4	bc	29.82	+ .05	63	62	+ 7	WSW	5	op	4	bc	6.8	65	56	0.12
	Scilly	29.90	65	W	2	c	29.86	+ .06	63	62	+ 2	WSW	4	r	4	cp, c	10.7	69	58	0.11
	Jersey (St. Aubin's) ...	29.96	68	W	4	b	30.01	+ .10	65	63	0	SW	4	og	3	p, b	•	70	62	0.01
	Portland Bill ...	29.88	64	WSW	5	c	29.94	+ .07	62	62	— 2	SW	5	0	5	c	•	66	56	0.03
	Dungeness	29.85	65	SW	6	bc	29.95	+ .12	65	63	— 3	WSW	3	c	3	bc	•	71	59	0.01
	London (Brixton) ...	29.85	62	WSW	3	bc	29.93	+ .10	62	59	— 2	SW	2	bc	•	opt, bc, b	4.7	77	51	0.12
	Oxford	29.87	60	SW	3	b	29.92	+ .10	61	58	— 3	SSW	2	0	•	tlr, b	•	69	53	0.19
	Yarmouth	29.81	66	W	3	c	29.89	+ .11	62	58	0	W	3	b	2	bc, c, l	•	72	52	—
GERMANY.	Cuxhaven	29.82	64	E	2	0	29.79	— .09	60	59	+ 5	W	4	c	•	0	•	66	55	0.04
	Berlin	29.90	63	SE	2	c	29.90	— .08	61	59	+ 10	W	4	bc	•	c	•	70	51	0.04
	Wiesbaden	•	•	•	•	•	30.06	+ .18	63	59	— 5	SW	2	c	•	•	•	79	57	0.28
	Munich	30.05	67	SW	4	0	30.19	+ .17	61	59	— 6	SW	4	0	•	0	•	82	57	0.04
FRANCE & NETHERLANDS.	The Helder ...	29.82	64	W	1	c	29.87	+ .09	65	61	0	WSW	2	bc	1	c	•	70	61	—
	Brussels	•	•	•	•	•	30.00		62	59		SW	3	bc	•	b	•	77	54	0.04
	C. Gris Nez ...	29.87	66	W	5	c	29.98	+ .12	62	59	— 2	NW	3	0	4	c	•	70	57	0.24
	Paris	29.97	72	WSW	3	b	30.07	+ .14	60	57	— 4	SSW	2	b	•	b	•	78	55	—
	Brest	29.99	64	W	2	c	30.00	+ .08	64	62	0	SW	2	c	2	c	•	70	59	—
	Lorient	30.02	66	W	4	c	30.04	+ .07	67	62	+ 1	WSW	4	c	4	c	•	73	63	0.08
	Rochefort	30.06	70	WNW	3	b	30.09	+ .08	66	64	— 2	ESE	1	b	•	b	•	79	64	—
	Belfort	29.95	67	W	6	0	30.10	?	60	57	— 8	W	1	m	•	0	•	81	55	0.12
	Lyons	30.04	70	SE	1	bc	30.13	+ .09	63	61	— 4	NNW	1	0	•	bc, l	•	75	62	0.08
	Nice	30.04	71	2	0	c	30.05	— .01	70	64	0	2	0	bc	1	c	•	81	64	—
	Perpignan	30.01	75	W	2	r	30.12	+ .10	69	68	— 3	SW	1	0	•	r	•	83	66	0.08
	Biarritz	30.06	68	W	2	r	30.06	+ .07	66	64	— 3	SW	2	0	3	r	•	72	64	0.20
SPAN. PEN.	Corunna																•			
	Lisbon	30.12	68	NNW	5	b	30.11	— .01	71	62	+ 2	N	5	b	•	b	•	77	66	—
	Azores (P. Delgada)	30.27	70	N	3	b	30.25	+ .02	72	66	+ 1	NNE	1	c	2	b	•	79	66	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 8.0 *hrs.*

WEATHER CHARTS

FOR Tuesday, 29th August, 1899.

BAROMETER, WIND AND SEA.

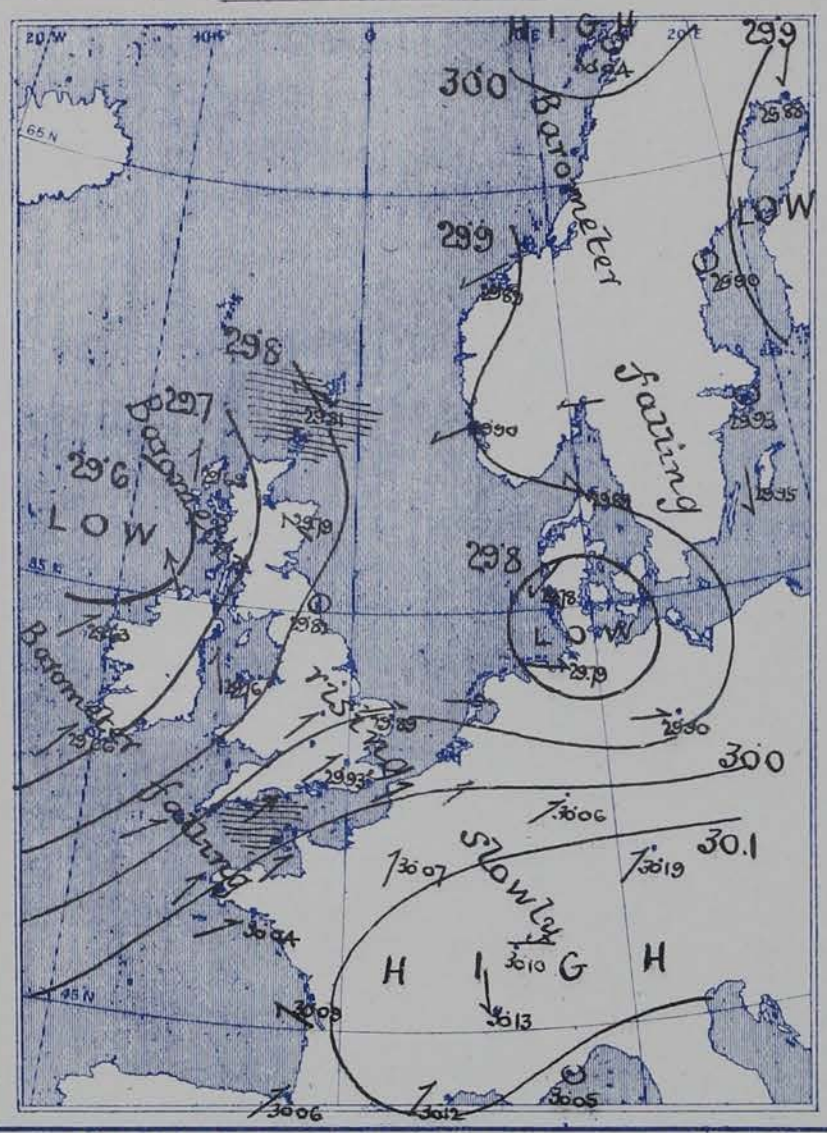
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

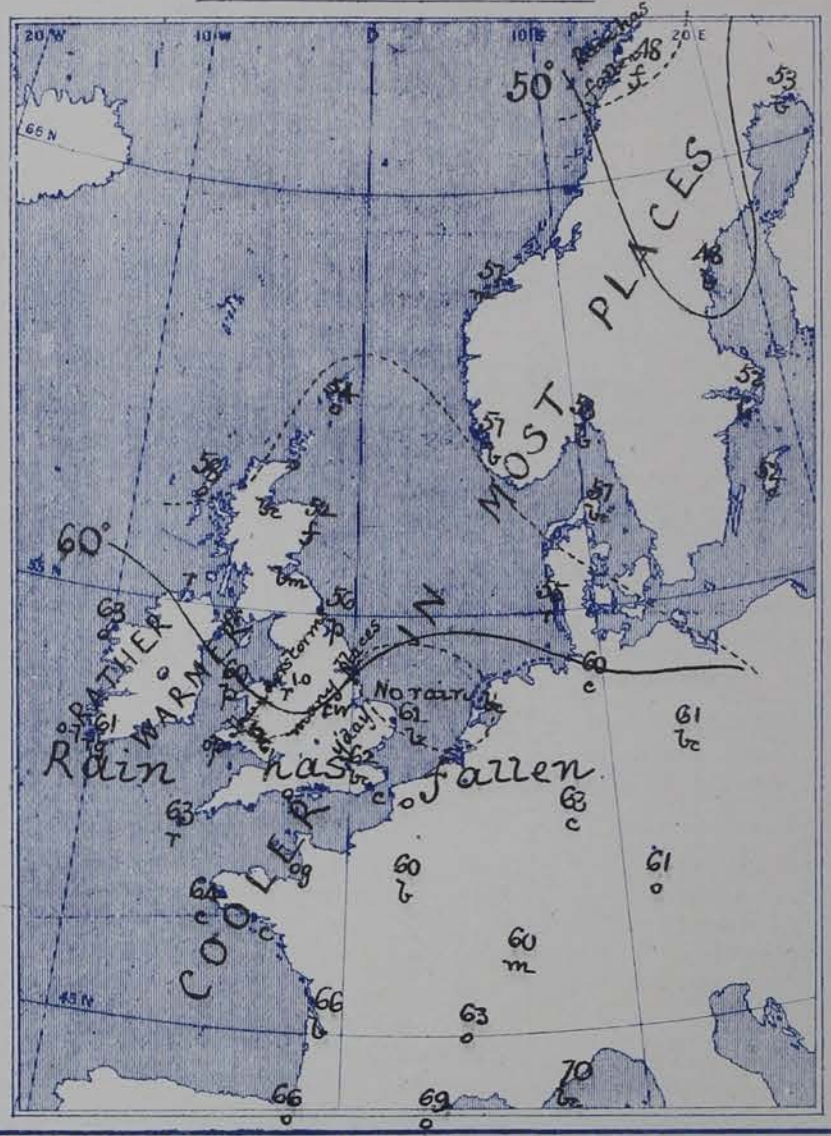


TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR, 1871–95. Means of				Absolute Extremes.				RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29·923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. and upwards in an anticyclone lying over S. Germany and the central and southern parts of France, 30.0 ins. and upwards on a smaller system off the NW. of Norway.
Lowest 29.6 ins. and less in a depression with its centre off our extreme NW. coasts, 29.8 ins. and less in a shallow secondary system over N. Germany and the S^rn. parts of Denmark.
Gradients slight. Barometer falling in the W. of our Islands, and also in Scandinavia and Denmark, rising elsewhere.

TEMPERATURE

Highest 70° at Nice, 69° at Perpignan, and 67° at Lorient; highest in our Islands 65° at Dungeness and Jersey.
Lowest (1) 46° at Karlstad, 48° at Bodo and Hernosand, and 52° at Stockholm and Wick; (2) 52° at Aberdeen, and 54° at Sumburgh Hd.
During yesterday the thermometer rose to between 70° and 75° at most of the English stations, and to 77° in London.

WIND

Light to fresh from the SW^wd. over the southern parts of the United Kingdom, and also over the Netherlands, Germany and the N. of France.
Light from the S^wd. or SE^wd. on our northern coasts, and from the E^wd. or NE^wd. in Norway and Denmark.
Calm or N^ly. in Sweden, variable over the southern parts of France.

WEATHER

Fine at many of our own N^rn. E^rn. and SE^rn. stations, as well as in Scandinavia, but foggy or misty on some parts of the Norwegian coasts.
Cloudy or dull elsewhere, with rain or passing showers in the W. of our Islands generally; rain was also falling at Paris.
Since yesterday morning rain has fallen in nearly all parts of W^rn. Europe, the largest amounts being 1.0 in. at Liverpool, and 0.7 in. at Valencia (Ireland). Thunderstorms occurred yesterday in many parts of England, and lightning was seen at Lyons.

SEA

Rather rough at Sumburgh Hd. and Portland Bill, and moderate on our SW. coasts generally, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off our NW. coasts appears to be increasing slightly in intensity, and there are also signs of the advance of secondary disturbances from the SW^wd. Showery weather is still probable over the United Kingdom generally.

FORECASTS

For the 24 hours ending at NOON on 30th. AUGUST 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE^ly. winds, light or moderate; cloudy, unsettled, some rain.
1 SCOTLAND EAST	
2 ENGLAND N.E.	Variable or S^ly. breezes, cloudy, some rain, thunder locally.
3 ENGLAND EAST	SW^ly. winds, moderate or fresh; changeable, showery, thunder locally.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as No. 2.
7 ENGLAND N.W.	
8 ENGLAND S.W.	Same as Nos. 3 to 5.
9 IRELAND NORTH	SW^ly. to S^ly. winds, fresh; cloudy, rain at times.
10 IRELAND SOUTH	
WARNINGS	None issued.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.99	66	58	S	2	b	2
Sumburgh Head	29.84	56	55	ESE	3	o	5
Stornoway... ...	29.70	67	60	S	3	b	3
Aberdeen	29.71	60	59	E	2	bc	3
Shields	29.73	63	61	ESE	2	cp	2
Malin Head ...	29.69	64	58	SSW	3	b	2
Belmullet	29.72	63	63	WSW	3	bc	*
Holyhead	29.78	66	60	WSW	3	bc	1
Valencia	29.70	64	58	WSW	4	o	5
Scilly	29.85	67	64	W	4	cp	3
Jersey	29.95	70	62	SW	5	bc	4
Portland Bill ...	29.87	65	63	WSW	5	c	5
Dungeness ...	29.86	69	65	WSW	6	bc	5
London (Westminster)	29.87	62	60	WSW	3	cp	*
Yarmouth ...	29.78	68	64	NE	3	bc	3
Rochefort ...	30.04	77	68	WNW	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over the greater part of our Islands and the Continent, but showery on our SW. coast, as well as at Yarmouth and the Helder. Dull over N^rn. and central Russia, with rain at Riga and also at Vienna. Rain falling later in nearly all parts of W^rn. Europe, – amount in our Islands mostly slight, but heavy at Liverpool and Valencia (Ireland). Thunderstorms occurring at many of the English stations, and lightning seen at Lyons.

Temperature fallen in most parts of our Islands, risen in Germany, changed irregularly elsewhere. Morning readings highest 80° at Barcelona, and 79° at Brindisi, and Patras, above 70° at most of the Mediterranean and Adriatic stations, and reaching 65° or more at some of the English Channel stations. Lowest 45° at Archangel, and 46° at Haparanda, Kuopio and Hango. Rising during day to between 70° and 75° over England generally and to 77° in London; exceeding 75° also in many parts of France and Germany, and reaching 82° at Munich, and 83° at Perpignan.

Wind light to moderate from the W^rd. (SW to NW) over the southern parts of our Islands, and also over France, the Netherlands and west and south Germany; S^ly. or SE^ly. over the northern parts of the United Kingdom, E^ly. or NE^ly. over Norway, Denmark and N. Germany, N^ly. over Sweden and northern Russia, light from the SW^rd. over central and southern Russia. Variable over southern Europe and the Mediterranean – No important change occurring over W^rn. Europe during day.

Barometer highest 30.1 ins. and upwards in three areas, one lying over the N^rn. parts of Scandinavia, another over Portugal and the third over Italy and the adjacent portions of the Mediterranean. Lowest 29.6 ins. and less in a well marked but somewhat shallow depression over central Russia, 29.7 ins. and less in a shallower system off our own extreme NW. coasts. Depression in NW. remaining stationary during day, but small secondary systems moving E^wd. across Ireland, England and the North Sea.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 30th August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
Scandinavia	Haparanda	29.86	53	NW	0	c	29.93	+.05	47	42	- 6	N	4	b	*	c	*	66	39	-
	Hernösand	29.88	47	NW	0	b	29.89	-.01	50	46	+ 2	NW	0	b	*	b	*	66	36	-
	Stockholm	29.87	55	NW	0	b	29.92	-.01	54	50	+ 2	E	2	b	*	b	*	66	41	-
	Wisby	29.91	50	NW	4	b	29.93	-.02	55	52	+ 3	NNW	4	b	*	b	*	55	41	-
	Karlstad	29.88	52	NW	0	b	29.92	-.02	50	48	+ 4	NW	0	b	*	b	*	*	*	-
	Bodö	29.94	50	N	4	bc	29.92	-.10	51	47	+ 3	NNE	4	b	1	bc	*	54	46	-
	Christiansund ...	29.91	53	NE	3	f	29.90	+.01	52	50	- 5	E	3	0	2	f	*	63	48	-
	Skudesnaes ...	29.93	57	NW	0	bc	29.89	-.01	56	54	- 1	E	2	b	1	b, bc	*	63	52	-
	Færder (X'iania Fjord)	29.89	59	WSW	4	b	29.91	-.02	59	56	+ 6	NW	0	b	1	b	*	63	54	-
	The Scaw (Skagen)	29.91	57	N	1	b	29.94	+.05	57	55	0	WSW	1	b	0	b	*	63	48	-
	Fanö	29.92	55	NNW	2	b	29.92	+.14	54	54	- 1	SSE	2	b	*	b	*	64	48	0.04
British Islands	Sumburgh Head ...	29.79	56	ESE	2	0	29.74	-.07	56	56	+ 2	E	3	0	5	0	*	60	52	-
	Stornoway	29.62	62	ESE	3	0	29.52	-.17	59	58	+ 1	SE	3	0	3	bc.o	8.9	71	52	0.03
	Wick	29.73	55	S	3	0	29.60	-.16	56	55	+ 1	S	5	0	4	o	*	56	53	0.05
	Nairn	29.67	60	W	1	r	29.54	-.20	59	58	+ 3	E	1	0	1	r	*	65	55	0.07
	Aberdeen	29.74	53	SE	2	cm	29.58	-.21	58	57	+ 6	SE	2	o gm	3	bc, fl r	1.8	58	52	0.25
	Leith	29.68	65	SE	1	0	29.55	-.20	61	59	0	S	1	c	*	0	*	67	56	0.25
	Shields	29.73	64	SSW	2	om	29.61	-.21	59	58	+ 3	SSW	1	fm	2	p, om, rl	*	66	56	0.19
	Spurn Head ...	29.78	65	S	3	b	29.70	-.16	64	59	+ 2	WSW	4	c	4	p. b	*	71	60	-
	Loughborough ...	29.80	66	SSW	2	c	29.76	-.12	60	56	+ 1	WSW	3	bc	*	cp. bcq	*	72	58	0.02
	Malin Head ...	29.53	59	ESE	2	r	29.57	-.03	59	57	+ 4	W	5	c	4	c. fl. r	*	65	55	0.05
	Belmullet	29.60	60	W	1	op	29.73	+.10	59	56	- 4	NW	4	cp	*	o. op	*	65	56	0.29
	Donaghadee ...	29.59	62	S	3	cp	29.64	-.08	58	57	- 1	WSW	3	bc	3	cp	*	64	53	0.41
	Liverpool (Bidston)	29.70	65	SE	1	op	29.71	-.11	59	56	+ 2	SSW	3	o	4	op	*	70	55	0.30
	Holyhead	29.56	63	SSW	4	cp	29.72	-.04	61	58	+ 1	WSW	4	bc	3	cp	*	67	57	0.03
	Parsonstown ...	29.58	63	W	1	o	29.76	+.07	60	57	- 1	W	1	o	*	cp, o	1.9	67	53	0.30
	Valencia	29.57	61	WSW	4	op	29.87	+.21	60	56	- 1	WNW	5	cpr	5	cp. op	3.7	67	58	0.31
	Roche's Point ...	29.66	64	WSW	5	cp	29.85	+.12	61	58	- 3	WNW	3	b	3	cp, l	*	68	56	0.02
	Pembroke (St. Ann's Hd.)	29.72	63	WSW	5	r	29.80	-.02	61	59	- 2	NW	5	bp	4	c, r	5.1	67	58	0.90
	Scilly	29.80	66	SW	5	cp	29.88	+.02	64	61	+ 1	WSW	4	c	4	cp	5.7	69	61	0.48
	Jersey (St. Aubin's) ...	29.96	68	SSW	3	oq	29.93	-.08	66	63	+ 1	WSW	5	c	4	p, oq	*	71	63	0.08
	Portland Bill ...	29.89	63	SW	5	o	29.87	-.07	63	62	+ 1	W	5	c	4	or. o	*	64	57	0.28
	Dungeness	29.93	65	SW	6	c	29.84	-.11	65	64	0	SSW	6	c	5	c	*	68	62	0.22
	London (Brixton) ...	29.88	64	SW	2	op	29.81	-.12	64	60	+ 2	WSW	3	bc	*	op, o	1.2	68	60	0.05
	Oxford	29.83	63	SW	3	o	29.81	-.11	63	60	+ 2	SW	3	bc	*	op	*	68	59	0.04
	Yarmouth	29.85	68	SSW	3	c	29.76	-.13	66	63	+ 4	SW	4	bc	3	bc. c. r	*	71	60	0.09
Germany	Cuxhaven	29.90	63	N	1	c	29.92	+.13	57	57	- 3	S	1	o	*	c	*	64	54	-
	Berlin	29.93	63	W	2	c	30.01	+.11	59	56	- 2	W	2	o	*	c	*	72	55	-
	Wiesbaden	*	*	*	*	*	30.06	.00	61	58	- 2	W	1	b	*	*	*	75	54	-
	Munich	30.15	63	NW	0	b	30.16	-.03	63	59	+ 2	W	3	c	*	b	*	73	55	-
France & Netherlands	The Helder ...	29.92	64	SW	2	bc	29.83	-.04	63	61	- 2	S	2	c	1	bc	*	70	61	0.12
	Brussels	*	*	*	*	*	29.93	-.07	68	60	+ 6	SSW	4	c	*	c	*	75	59	-
	C. Gris Nez ...	29.98	64	WSW	5	c	29.92	-.06	65	64	+ 3	WSW	5	c	5	c	*	66	57	0.32
	Paris	30.04	72	SW	2	bc	30.02	-.05	63	59	+ 3	S	2	b	*	bc	*	76	57	-
	Brest	29.96	66	WSW	2	c	29.94	-.06	64	63	0	W	2	c	3	c	*	70	59	0.47
	Lorient	30.02	73	SW	5	o	29.99	-.05	65	63	- 2	W	5	r	5	o	*	77	63	0.24
	Rochefort	30.06	73	WNW	3	b	30.05	-.04	69	65	+ 3	WSW	3	c	*	bc. b	*	79	64	-
	Belfort	30.05	70	WSW	2	c	30.06	-.04	60	56	0	W	1	m	*	c	*	77	53	-
	Lyons	30.05	72	ENE	1	b	30.08	-.05	63	61	0	ESE	1	b	*	b, l	*	81	60	-
	Nice	30.02	72	SE	3	c	30.04	-.01	70	67	0	E	3	bc	1	c	*	82	64	-
	Perpignan	30.03	75	E	2	b	30.07	-.05	74	69	+ 5	SW	2	c	*	b	*	82	65	-
	Biarritz	30.02	73	N	4	o	30.07	+.01	68	64	+ 2	W	0	o	3	o	*	77	64	0.16
Span. Pen.	Corunna																*			
	Lisbon	30.12	67	NNW	5	b	30.12	+.01	70	61	- 1	N	5	b	*	b	*	77	66	-
	Azores (P. Delgada)	30.27	73	SW	1	bc	30.26	+.01	73	70	+ 1	NW	1	c	2	bc	*	79	68	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

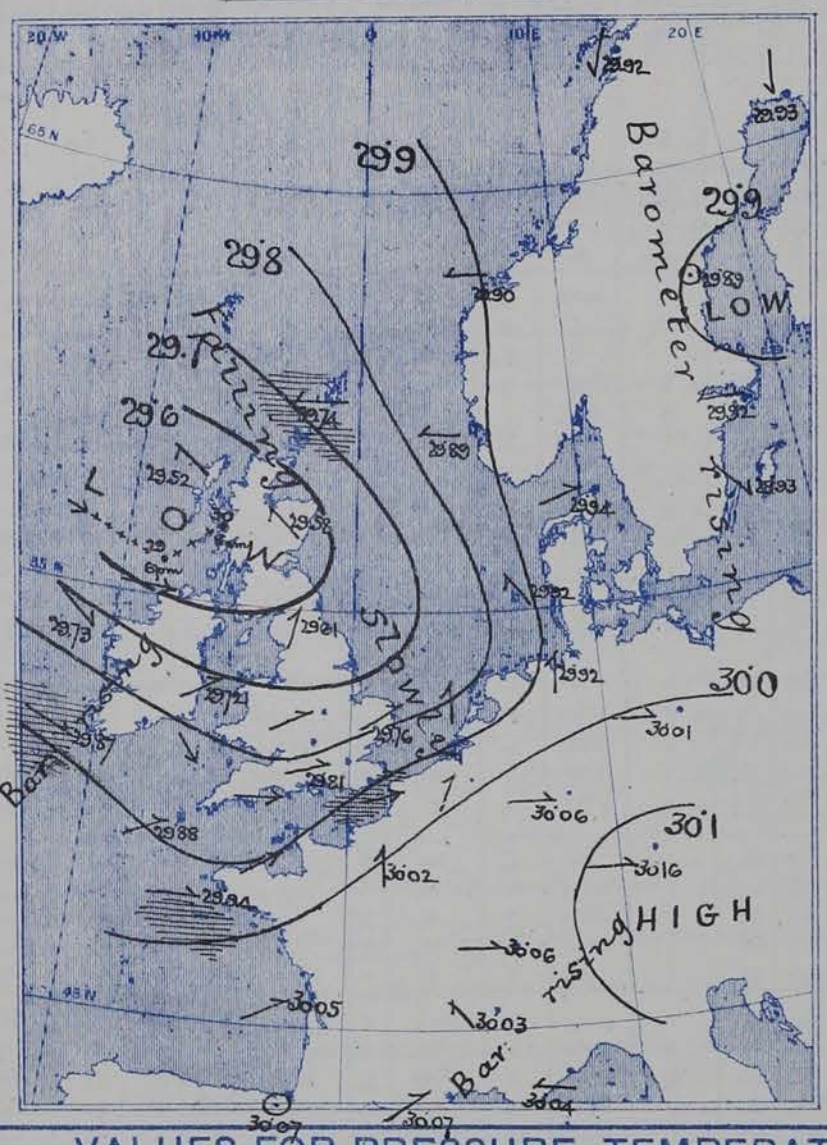
Bright Sunshine yesterday Southport 8·7 *hrs.*

WEATHER CHARTS

FOR Wednesday, 30th August, 1899.

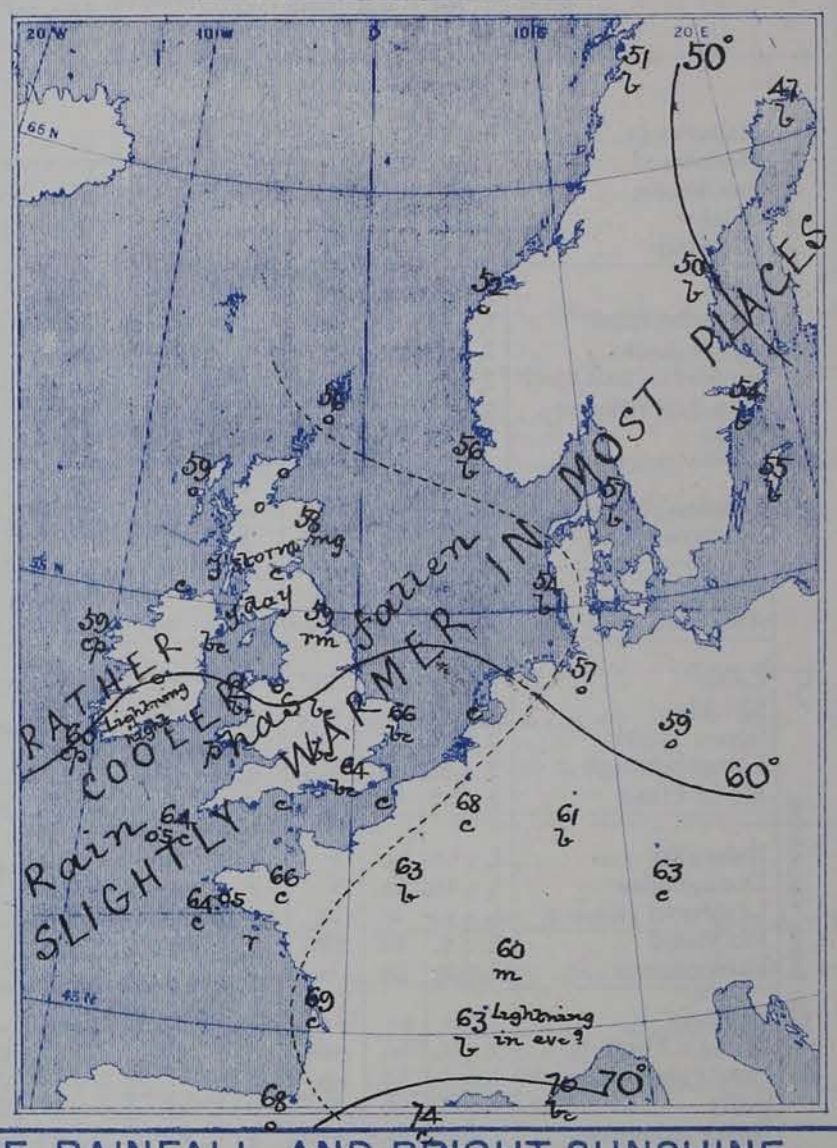
BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }
SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR, 1871–95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29·923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 in: and upwards over South Germany; 30·0 in: and upwards over nearly the whole of England and France.
Lowest, 29·6 in: and less, in a well marked depression with its central area directly over Scotland.
Gradients slight. Barometer rising in the west of our Islands and also in Sweden, Denmark and Germany, but falling in most other parts of our area.

TEMPERATURE

Highest, 74° at Perpignan, 70° at Nice, 69° at Rochefort, 68° at Brussels and Biarritz and 66° at Yarmouth and Jersey.
Lowest, 47° at Haparanda, 50° at Hernösand and Karlstad, 51° at Bodo and 52° at Christiansund; lowest in our Islands 56° at Lerwick and Wick.
The maxima recorded yesterday were very little above 70° in any part of the United Kingdom. On the northeast coast of Scotland the thermometer did not reach 60°.

WIND

Light to fresh from the W. or NW. in Ireland and from the SW. over England and the adjacent parts of the Continent; light from the SE. or E. in the north of Scotland and also on the Eastern shores of the North Sea.
Variable in the south of France and also in Sweden.

WEATHER

Fine over the central and southeastern parts of England, as well as at most of the Continental stations, but cloudy in the west of France, with rain at Lorient.
Dull in Scotland, showery at several of our western stations.
Rain fell yesterday over nearly the whole of our Islands and the adjacent parts of the Continent, the largest amount reported being 0·5 in at Scilly and Brest. Thunderstorms have occurred at Aberdeen and Malin Hd, and lightning has been seen at Shields, Rockliffe and Ilfracombe.

SEA

Moderate or slight generally, but rather rough in the Straits of Dover, and also at Lerwick Hd and Valencia (Ireland).

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression recently noticed off our extreme northwest coast is now moving slowly northeastwards across Scotland. There are at present no indications of the advance of any new disturbance, but the winds on our western coasts are likely to back slowly.

FORECASTS

For the 24 hours ending at NOON on 31st AUGUST 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	SE. to Variable breezes; dull, unsettled, some rain.
2 ENGLAND N.E.	SW. winds, light; changeable, some showers, thunder locally.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SW. to W. winds, moderate or fresh; changeable, some showers, thunder locally.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	W. and NW. winds, backing later changeable, showery.
WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.91	63	60	WSW	4	b	2
Sumburgh Head	29.82	58	57	E	3	o	5
Stornoway... ...	29.67	71	62	S	3	bc	3
Aberdeen	29.78	55	53	ESE	2	bcm	3
Shields	29.77	64	58	SSW	2	cp	2
Malin Head ...	29.56	65	63	S	3	c	2
Belmullet	29.60	62	60	WSW	2	o	*
Holyhead	29.72	67	63	SSW	4	cp	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29.64	67	63	SW	5	cp	5
Scilly	29.82	69	65	SW	5	cp	4
Jersey	30.00	65	64	SSW	3	o	3
Portland Bill ...	29.94	62	62	SW	5	or	5
Dungeness ...	29.95	67	65	SW	5	c	4
London (Westminster)	29.91	66	63	SW	3	op	*
Yarmouth ...	29.88	71	60	SW	3	bc	3
Rochefort ...	30.10	77	68	WSW	3	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine at many stations in the northern and eastern parts of Great Britain, as well as over Scandinavia and Southern Europe generally. Cloudy elsewhere, with rain or passing showers in the eastern parts of the United Kingdom; rain falling also at Archangel, St Petersburg, Faro and Cracow. Showers falling during day over the whole of the United Kingdom and the neighbouring parts of the Continent, - heavily in places; thunderstorms occurring at Aberdeen and Malin Hd., and lightning seen at several of the English and French stations.

Temperature fallen a little in most countries, but risen decidedly in Germany and Austria. Morning readings highest 80° at Barcelona and La Galle and 78° at Heiste, above 70° in many parts of Southern Europe, and touching 65° at some of the English Channel stations. Lowest 45° at Uleaborg and 46° at Karlstad, Moscow and Lemberg; below 50° in many parts of Russia and Scandinavia. Daily maxima below 60° on the northeast coasts of Scotland, and very little above 70° in any part of the United Kingdom; thermometer exceeding 75° in France and exceeding 80° over the Southern Departments.

Wind light to fresh from the SW^ly over the southern parts of the United Kingdom and the adjacent parts of the Continent; light from the S^ly or SE^ly on our northern coasts and from the E^ly in Norway and Denmark. W^ly over North Germany. Light and very variable over Southern Europe generally. N^ly over Sweden and the northern and eastern parts of Russia. No important change occurring over the western countries later.

Barometer highest 30·1 ins. and upwards over Portugal and also over Italy and the southern parts of France and Germany; 30·0 ins. and upwards in an anticyclone embracing the entire southern half of the Continent. Lowest 29·6 ins. and less in a depression off the extreme northwest of our Islands; 29·7 ins. and less in a large shallow system over northern and central Russia, 29·8 ins. and less in a third disturbance over the south of Denmark. Depression in northwest subsequently moving very slowly northeastwards towards Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 31st August, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda ...	29.90	44	N	2	c	29.86	-.07	46	42	-1	NNE	2	o	•	c	•	54	41	-
	Hernösand ...	29.86	49	NE	0	o	29.76	-.13	49	47	-1	NE	4	r	•	o	•	64	36	-
	Stockholm ...	29.88	53	SW	2	b	29.77	-.15	58	55	+4	NE	0	b	•	b	•	68	43	-
	Wisby ...	29.91	55	WNW	4	b	29.83	-.10	57	54	+2	SW	4	b	•	b	•	59	45	-
	Karlstad ...	29.83	55	S	2	b	29.69	-.23	53	50	+3	WSW	2	bc	•	b	•	•	•	-
	Bodö ...	29.88	50	N	4	b	29.82	-.10	53	49	+2	E	4	bc	1	b	•	55	45	-
	Christiansund ...	29.79	52	NE	4	o	29.71	-.19	51	47	-1	ESE	3	c	3	o	•	55	34	-
	Skudesnaes ...	29.75	60	NE	0	c	29.63	-.26	56	56	+2	ENE	2	o	2	b.c	•	65	55	tr
	Færder (X'iania Fjord)	29.83	59	S	1	b	29.67	-.24	56	55	-3	E	2	r	2	b	•	?	55	0.08
	The Scaw (Skagen)	29.58	60	S	2	bc	29.67	-.27	60	59	+3	SW	2	m	0	bc	•	68	55	0.16
	Fanö ...	29.77	60	SE	2	b	29.73	-.19	60	60	+6	SW	2	c	•	b	•	64	54	0.04
BRITISH ISLANDS.	Sumburgh Head ...	29.65	56	E	3	c	29.59	-.15	54	54	-2	NE	3	r	5	c	•	60	53	0.01
	Stornoway ...	29.54	61	S	3	o	29.60	+.08	58	56	-1	WSW	4	o	4	c.o	4.9	66	54	-
	Wick ...	29.56	57	S	3	f	29.58	-.02	58	57	+2	SW	1	o	1	rf	•	58	54	0.30
	Nairn ...	29.53	60	N	0	m	29.61	+.07	56	54	-3	W	1	r	1	m	•	69	52	0.12
	Aberdeen ...	29.54	57	SSE	1	gfr	29.59	+.01	58	53	0	WNW	4	cgp	2	r.om.rg	0.0	60	54	0.10
	Leith ...	29.57	64	WSW	3	r	29.66	+.11	61	56	0	WSW	3	b	•	r	•	68	54	0.02
	Shields ...	29.65	61	SW	2	c	29.73	+.12	60	56	+1	SW	3	c	2	cp.c	•	66	52	0.26
	Spurn Head ...	29.73	63	W	4	bc	29.80	+.10	60	56	-4	WSW	4	b	3	bc.klp	•	70	55	0.05
	Loughborough ...	29.81	63	W	2	bc	29.87	+.11	58	55	-2	WSW	3	cw	•	cpg.bc	•	70	52	0.04
	Malin Head ...	29.69	59	W	5	bcp	29.70	+.13	56	56	-3	SSW	2	op	2	b.bcp	•	61	56	0.14
	Belmullet ...	29.82	61	W	4	bc	29.72	-.01	58	56	-1	ESE	3	o	•	cp.bc	•	61	55	0.12
	Donaghadee ...	29.74	61	W	3	bcp	29.76	+.12	56	54	-2	WSW	3	b	2	t.bcp	•	65	51	0.13
	Liverpool (Bidston)	29.78	62	WSW	5	c	29.82	+.11	60	55	+1	SW	2	o	3	c	•	66	55	-
	Holyhead ...	29.81	60	W	3	cp	29.83	+.11	59	56	-2	WSW	3	c	2	c.cp	•	65	55	0.02
	Parsonstown ...	29.85	61	W	1	o	29.79	+.03	56	54	-4	SE	1	o	•	bc.o	9.0	66	53	-
	Valencia ...	29.92	62	W	4	bc	29.72	-.15	61	58	+1	S	3	op	5	cr.bc	7.2	65	56	0.02
	Roche's Point ...	29.90	65	WNW	4	c	29.80	-.05	62	60	+1	SW	3	bcp	3	c	•	68	55	0.04
	Pembroke (St. Ann's Hd.)	29.87	63	WNW	5	c	29.87	+.07	62	60	+1	W	3	o	3	bc.c	11.1	65	60	-
	Scilly ...	29.99	65	W	4	c	29.91	+.03	64	60	0	SW	4	c	3	c	10.6	68	60	0.06
	Jersey (St. Aubin's) ...	29.98	68	W	4	b	30.02	+.09	65	60	-1	WSW	4	cg	3	b	•	70	59	-
	Portland Bill ...	29.90	66	WNW	5	b	29.96	+.09	63	61	0	W	4	o	4	b	•	67	57	-
	Dungeness ...	29.83	67	WSW	6	b	29.94	+.10	65	62	0	WSW	3	b	3	b	•	71	54	-
	London (Brixton) ...	29.83	63	WSW	3	bc	29.92	+.11	60	57	-4	SW	2	bc	•	bc.pt.b	9.5	75	52	0.04
	Oxford ...	29.88	61	SW	3	bc	29.91	+.10	61	58	-2	WSW	3	bc	•	bc	•	71	53	.
	Yarmouth ...	29.76	70	W	2	bc	29.86	+.10	61	58	-5	W	3	b	2	bc	•	71	52	0.02
GERMANY.	Cuxhaven ...	29.82	64	N	0	r	29.76	-.16	60	59	+3	SW	3	bc	•	r	•	66	55	0.59
	Berlin ...	29.89	68	N	0	o	29.86	-.15	63	59	+4	NNW	3	bc	•	o	•	73	55	-
	Wiesbaden ...	•	•	•	•	•	30.00	-.06	62	59	+1	W	3	c	•	•	•	77	57	0.04
	Munich ...	30.06	64	N	0	b	30.09	-.07	63	60	0	SW	3	o	•	b	•	73	59	-
FRANCE & NETHERLANDS.	The Helder ...	29.78	65	SW	2	bc	29.83	.00	64	60	+1	W	3	bc	3	bc	•	70	63	-
	Brussels ...	•	•	•	•	•	29.96	+.03	62	59	-6	SSW	2	c	•	b	•	72	55	0.28
	C. Gris Nez ...	29.88	64	W	5	bc	29.96	+.04	61	59	-4	WNW	4	b	4	bc	•	66	54	0.04
	Paris ...	29.96	72	WSW	3	bc	30.05	+.03	60	58	-3	SW	1	b	•	bc	•	80	54	-
	Brest ...	30.03	66	SSE	1	bc	30.03	+.09	63	60	-1	ESE	1	o	0	bc	•	77	59	0.04
	Lorient ...	30.03	67	WNW	5	bc	30.06	+.07	62	59	-3	E	1	c	2	bc	•	72	61	-
	Rochefort ...	30.06	72	WNW	4	bc	30.11	+.06	65	63	-4	SE	2	c	•	bc	•	79	64	-
	Belfort ...	29.95	69	W	1	b	30.04	-.02	60	58	0	W	2	c	•	b	•	78	54	0.08
	Lyons ...	30.01	76	N	1	bc	30.08	.00	64	61	+1	E	1	b	•	bc.lr	•	84	60	0.04
	Nice ...	29.98	70	E	3	c	29.96	-.08	69	65	-1	E	2	b	0	c	•	81	63	-
	Perpignan ...	30.01	77	E	0	o	30.08	+.01	69	65	-5	S	1	b	•	o	•	86	64	-
	Biarritz ...	30.05	72	NNW	3	c	30.04	-.03	67	64	-1	SE	3	b	3	c	•	77	64	-
SPAIN & PORTUGAL.	Corunna ...																•			
	Lisbon ...	30.09	68	NNW	5	b	30.07	-.05	69	61	-1	NNE	4	b	•	b	•	79	64	-
	Azores (P. Delgada)	30.26	72	S	2	b	30.20	-.06	74	69	+1	SE	5	bc	4	b	•	82	68	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 7.2 hrs.

WEATHER CHARTS

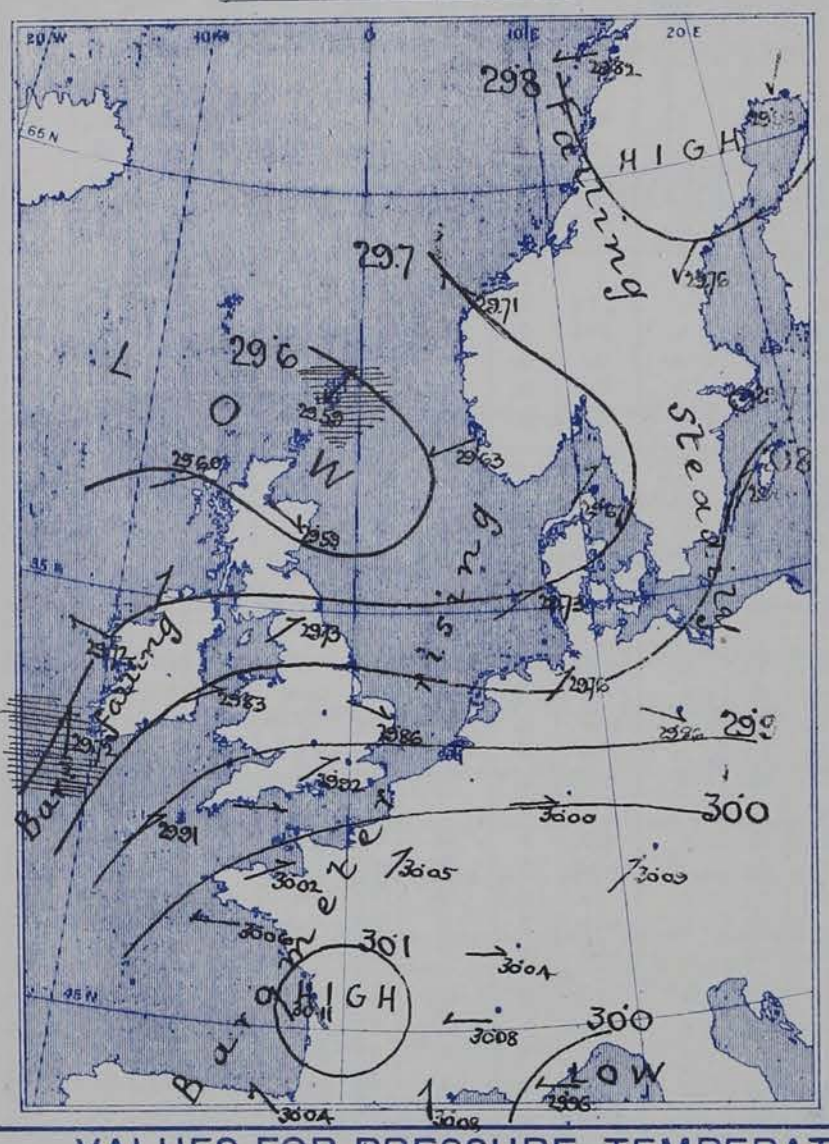
FOR Thursday, 31st August, 1899.

BAROMETER, WIND AND SEA.

BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

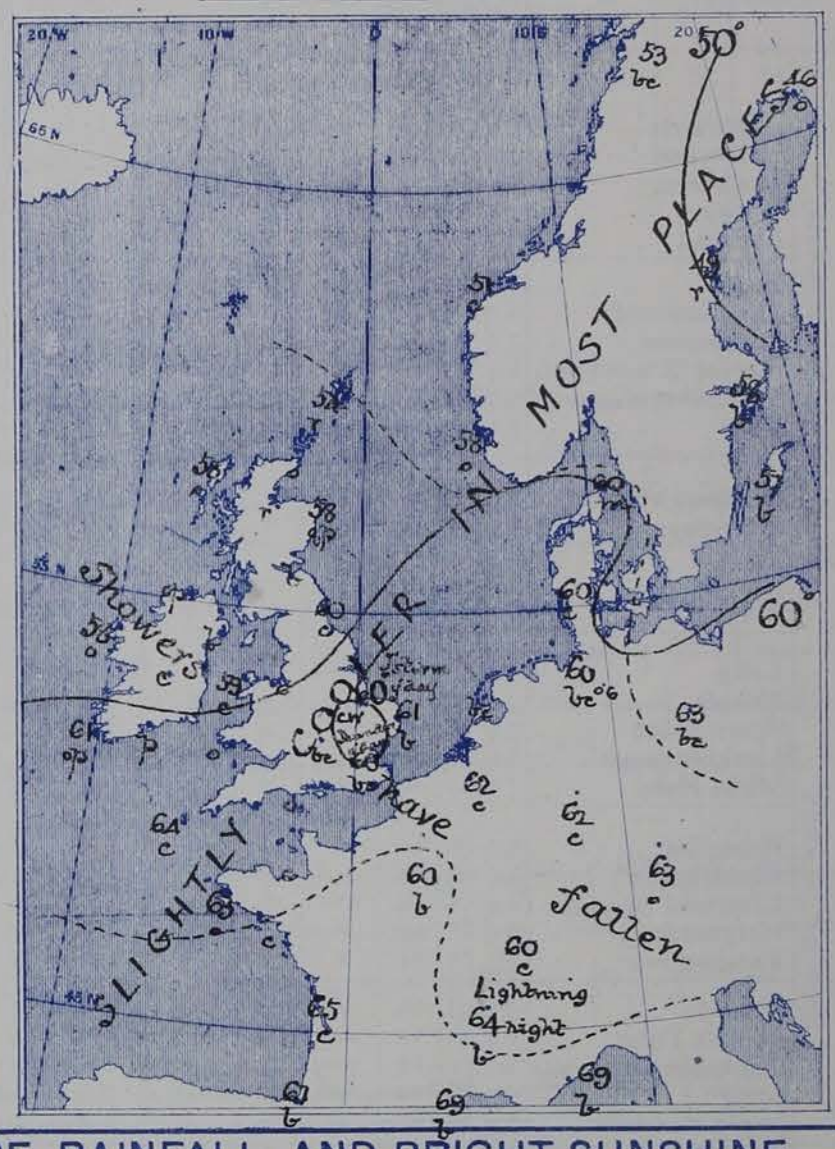
Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*



TEMPERATURE AND WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.
WEATHER.—Shown by Letters of the Beaufort Scale.
RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF AUGUST.

STATIONS	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL Means, 1866—95.	BRIGHT SUNSHINE, Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29.923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·830	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·0 in: to 30·1 in: in an anticyclone lying over the Bay of Biscay, France and South Germany.
Lowest, 29·6 in: and less, in a depression off the northeast of Scotland; 29·7 in: and less, in another disturbance approaching the west of Ireland.
Gradients slight. Barometer falling on our western coasts (decidedly in the south of Ireland) and also in Scandinavia, but rising elsewhere.

TEMPERATURE

Highest, 69° at Nice and Perpignan, 67° at Biarritz and 65° at Dunglinore, Jersey, and Rochefort.
Lowest, 46° at Haparanda, 49° at Hernösand, 51° at Christiansund, 53° at Bodö and Karlstad and 54° at Sumburgh Head.
During yesterday the thermometer rose to 70° and upwards at several of the English stations and to 75° in London.

WIND

Light from the SW.ly or W.ly over Great Britain, the Netherlands, Germany, Denmark and the south of Sweden, but E.ly or NE.ly over Norway and the northern parts of Sweden as well as in the Shetlands.
Light from the S.ly or SE.ly in the west of Ireland; E.ly or SE.ly in the west and south of France.

WEATHER

Fair or fine over the greater part of England and the western portions of the Continent.
Showery in Ireland; dull and rainy in the north of Scotland and also over the Gulf of Bothnia.
Rain or passing showers fell yesterday in most parts of Western Europe, but the quantity was as a rule somewhat small.
A thunderstorm occurred at Spurn Hd., thunder only at Donaghadee and in London, and lightning at Lyons.

SEA

Slight or smooth generally, but rather rough at Valencia (Ireland) and also at Sumburgh Head.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay over Scotland yesterday is now moving away to the northeastward, but a new disturbance is approaching the Irish coast. The latter system is likely to advance over us and to occasion rain in most districts, with increasing SW.ly winds on our western and southern coasts.

FORECASTS

For the 24 hours ending at NOON on 1st SEPT: 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W.ly to S.ly winds, light or moderate; changeable, showery.
1 SCOTLAND EAST	
2 ENGLAND N.E.	SW.ly to S.ly winds, moderate; fine at first, some rain later.
3 ENGLAND EAST	SW.ly winds, freshening considerably; fair at first, then dull and rainy.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Wind backing to the S.ward and freshening; fair at first, then dull and rainy.
7 ENGLAND N.W.	
8 ENGLAND S.W.	S.ly and SW.ly winds, increasing in force; dull, rainy.
9 IRELAND NORTH	Same as Nos 6 and 7.
10 IRELAND SOUTH	Same as No 8
WARNINGS	NONE ISSUED.

Note.—The **South Cone,** *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone,** *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.84	65	58	SW	2	b	2
Sumburgh Head	29.70	59	57	E	3	c	5
Stornoway... ...	29.54	66	61	SSE	3	c	8
Aberdeen	29.55	59	58	SE	2	o q m	3
Shields	29.63	64	60	SW	3	cp	2
Malin Head ...	29.66	61	56	WNW	5	b	5
Belmullet	29.82	60	56	W SW	3	cp	*
Holyhead	29.78	65	61	SW	4	c	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29.92	64	60	WSW	5	cv	5
Scilly	29.94	68	62	WSW	4	c	4
Jersey	29.97	69	62	W	5	b	4
Portland Bill ...	29.89	67	65	W	5	b	5
Dungeness ...	29.83	69	66	SW	6	b	5
London (Westminster)	29.81	71	65	WSW	3	c	*
Yarmouth ...	29.75	71	60	WNW	4	bc	3
Rochefort ...	30.07	77	68	WNW	4	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over Central and southeastern England and the greater part of the Continent, but cloudy in Northern France, with rain at Lorient and Le Mans; dull also in Germany and the south of Russia. Showery over the western parts of the United Kingdom generally and dull in Scotland. Steady rain falling later in Scotland, and showers in many other parts of Western Europe; thunderstorms occurring in several parts of England, thunder only at Donaghadee, and lightning at Lyons.

Temperature fallen a little in Ireland, but risen in most other parts of western and northern Europe. Morning readings highest 80° at Barcelona, Algiers and Tunis, 78° at Athens, and 77° at Lisbon and Brindisi; above 70° at the Mediterranean stations generally, and above 65° in the Channel Islands. Lowest 44° at Archangel, 47° at Haparanda, ~~and~~ 48° at St Petersburg and 50° at Uleaborg, Hernosand and Karlstad. Rising during day to 70° and upwards at several of the English stations and to 75° in London. Reaching 80° at Paris, and exceeding that point in the south of France.

Wind light to fresh from the W^d or NW^d in Ireland and from the SW^d over England and the adjacent parts of the Continent; light from the SE^d or E^d in Scotland and also on the eastern shores of the North Sea. Variable over Southern Europe generally, and also over Sweden and Russia. Subsequently veering to the W^d over England, no decided change occurring elsewhere.

Barometer highest 30·0 ins. to 30·1 ins. and upwards in an anticyclone covering the whole of central and southern Europe. Lowest 29·6 ins. and less. in a well-marked depression with its central area immediately over Scotland; 29·8 ins. and less. in a large shallow area over northern and Central Russia. Scotch depression moving slowly northeastwards during day, and barometer rising over the United Kingdom generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway; at 7 a.m. in France; and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway, and Germany. The time at each Station is the Standard Time of its Country.

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REPORTS FOR AUGUST 1899.

2. CORRECTIONS.

DATE	STATIONS.	YESTERDAY EVENING. Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp Max	Temp Min	Rainfall.
		Ins.					Ins.	Ins.	°	°	°									Ins.
1	Scilly	-	-	-	-	-	-	-	-	64	-	-	-	-	-	-	-	-	-	-
2	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·10
3	Donaghadee	-	-	-	-	-	-	-	-	57	-	-	-	-	-	-	-	-	-	-
7	Dungeness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·02
8	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·32
10	Donaghadee	-	-	-	-	-	30·26	+·07	-	-	-	-	-	-	-	-	-	-	-	-
"	Roche's Point	?30·14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Sumburgh Hd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-
15	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	-
17	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·03
18	Sumburgh Hd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	-
19	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·03
23	Belmullet	-	-	-	-	-	30·09	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Portland Bill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	-
24	Portland Bill	-	-	-	-	-	-	-	-	65	-	-	-	-	-	-	-	-	60	-
25	Jersey	-	-	-	-	-	-	-	72	-	-1	-	-	-	-	-	-	-	-	-
26	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61	-
"	Jersey	-	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	Loughborough	-	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Valencia 2pm	-	-	-	-	-	29.80	-	-	-	-	-	-	-	-	-	-	-	-	-
29	Malin Head	-	-	-	-	-	-	-	-	55	-	-	-	-	-	-	-	-	-	-
30	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?66	-	-
"	Holyhead	29.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	The Scaw	?29.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ADDITIONS AND CORRECTIONS TO THE

I. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. At 32° and M.S.L.	Temp. Dry Bulb	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb	Temperature. Wet Bulb	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
1	Corunna	30·18	63	WNW	2	f	30·19	+·09	64	63	+4	NW	1	f	2	f	-	68	60	0·79
..	Lisbon	30·15	81	N	4	b	30·15	+·05	79	70	-1	ENE	1	b	-	b	-	95	73	-
2	Brussels	-	-	-	-	-	30·20	-·25	61	-	+5	NNE	1	c	-	bc	-	75	53	-
..	Corunna	30·17	63	NW	2	f	30·09	-·10	62	60	-2	NW	1	f	2	f	-	66	57	-
3	Corunna	30·04	67	NW	2	f	29·97	-·12	66	63	+4	NW	1	c	1	f	-	70	61	-
4	Belfort	29·91	76	Z	0	o	29·96	-·04	70	-	+8	Z	0	m	-	o	-	89	61	-
..	Perpignan	29·97	77	SE	2	bc	30·01	-·02	74	-	+2	Z	0	o	-	bc	-	82	64	-
..	Corunna	29·96	66	WNW	1	f	29·80	-·17	67	63	+1	SSW	3	f	2	f	-	75	61	-
5	Corunna	29·83	75	SSW	4	bc	29·88	+·08	68	64	+1	SW	3	f	2	bc	-	79	63	-
..	Lisbon	29·96	68	WNW	3	b	30·01	+·11	69	65	-1	WSW	4	c	-	b	-	73	66	-
7	Corunna	30·06	69	WNW	4	f	30·06	?	67	63	0	WSW	3	bc	2	f	-	70	61	0·08
8	Brussels	-	-	-	-	-	29·93	-·04	60	-	-4	NE	1	o	-	o	-	68	56	-
..	Nice	29·95	72	SSW	2	o	29·86	-·14	71	-	-2	WNW	4	o	4	o	-	86	61	1·77
..	Perpignan	29·94	72	S	1	c	29·95	-·04	70	-	-3	W	2	c	-	c	-	77	61	0·32
10	Corunna	29·98	68	W	1	c	29·95	-	67	64	-	WSW	2	f	2	c	-	75	64	-
..	Lisbon	29·99	70	NW	2	b	29·97	-·06	70	67	+1	E	2	o	-	b	-	79	66	-
11	Corunna	29·95	68	SW	1	bc	29·91	-·04	72	68	+5	SSW	2	f	2	bc	-	73	66	-
14	Brussels	-	-	-	-	-	30·20	-·06	64	-	+3	ENE	1	b	-	b	-	72	52	-
..	Corunna	29·94	72	NNW	1	o	30·01	+·06	64	63	-1	S	1	r	2	o	-	73	61	0·16
15	Lisbon	30·04	70	SW	3	b	30·06	+·03	72	67	+2	SSW	2	b	-	b	-	77	66	-
16	Corunna	30·06	69	NW	3	b	30·09	-	67	65	-	NW	1	f	-	b	-	72	63	-
..	Lisbon	30·08	70	NNW	5	b	30·08	+·02	74	68	+2	NNE	3	b	-	b	-	81	66	-
17	Corunna	30·16	72	N	3	b	30·18	+·09	73	66	+6	N	3	b	3	b	-	73	64	-
18	Lisbon	30·07	77	NNW	5	b	30·08	-·01	76	68	-1	N	3	b	-	b	-	90	70	-
19	Cape Gris Nez	30·17	66	SE	1	m	30·19	+·02	62	-	-2	ENE	1	o	1	m	-	72	61	-
..	Corunna	30·16	77	NNE	3	b	30·14	-	71	66	-	NE	1	f	2	b	-	77	64	-
21	Corunna	29·93	81	NE	3	b	29·94	-	71	64	-	NE	2	b	2	b	-	86	64	-
..	Lisbon	29·93	73	N	2	bc	29·94	-·02	73	67	+1	NNE	4	bc	-	bc	-	84	68	-
..	Azores	30·13	75	S	3	c	30·06	-·08	73	72	-1	SSW	5	o	4	c	-	82	72	0·39
22	Corunna	29·93	82	NE	3	b	29·98	+·04	73	61	+2	NE	1	f	2	b	-	82	59	-
..	Lisbon	29·95	74	N	5	b	29·99	+·05	73	69	0	NE	3	b	-	b	-	86	54	-
23	Cape Gris Nez	30·28	63	ESE	3	bc	30·27	-·03	63	-	+4	SE	1	bc	1	bc	-	68	55	-
..	Corunna	29·99	75	NE	1	b	30·06	+·08	64	63	-9	N	1	f	2	b	-	75	61	-
..	Lisbon	30·01	74	NE	3	b	30·05	+·06	74	69	+1	NNE	3	b	-	b	-	88	70	-
..	Azores	30·08	72	SW	4	o	30·02	-·06	73	71	+2	SSW	4	c	4	o	-	77	71	-
24	Lyons	30·11	75	N	1	b	30·14	-·05	61	-	-1	ESE	1	b	-	b	-	83	55	-
..	Corunna	30·09	68	N	1	f	30·07	+·01	61	60	+3	N	2	f	2	f	-	68	58	-
..	Lisbon	30·05	73	NNW	4	b	30·02	-·03	77	69	+3	S	1	bc	-	b	-	86	70	-
25	Corunna	30·01	63	NW	3	f	30·10	+·03	64	64	+3	W	1	f	2	f	-	66	61	-
..	Lisbon	30·02	73	NNE	4	bc	30·04	+·02	74	66	-3	NNE	3	b	-	bc	-	88	70	-
26	Corunna	30·10	68	N	4	bc	30·06	-·04	66	63	+2	N	1	f	3	bc	-	68	61	-
27	Corunna	30·07	69	NW	4	f	30·07	+·01	64	-	-2	SSW	3	f	3	f	-	70	61	-
28	Corunna	30·09	67	W	3	o	30·11	+·04	60	58	-4	W	3	c	5	o	-	72	55	-
29	Corunna	30·14	68	NW	3	b	30·15	+·04	63	59	+3	W	1	f	5	b	-	70	57	-